

Proteoliposomes

Full-Length

# HTR1A (Human) Recombinant Protein

Catalog # H00003350-G01

Size 2 ug

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human HTR1A full-length ORF (NP_000515.2) recombinant protein without tag.<br>This product is belong to Proteoliposome (PL).                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>                      | MDVLSPGQGNNNTSPPAPFETGGNTTGISDVTVS YQVITSLLLGTLIFCAVLGNACVVAAIALERSL<br>QNVANYLIGSLAVTDLMVSVLVLPMAALYQVLNKWTLGQVTCDLFIALDVLCCCTSSILHLCAIALDR<br>YWAITDPIDYVNKRTPRRAAALISLTWLIGFLISIPMLGWRTPEDRSDPDACTISKDHGYTIYSTFGA<br>FYPLLLMLVLYGRIFRAARFRIKTVKKVEKTGADTRHGASPAPQPKKSVNGESGSRNWRLGVES<br>KAGGALCANGAVRQGDDGAALEVIEVHRVGNKEHLPLPSEAGPTPCAPASFERKNERNAEAK<br>RKMALARERKTVKTLGIIMGTFILCWLPFFIVALVLPFCESSCHMPTLLGAIINWLGYSNSLLNPVIYA<br>YFNKDFQNAFKKIICKFCRQ |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Theoretical MW (kDa)</b>          | 46.1                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Interspecies Antigen Sequence</b> | Mouse (88); Rat (90)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system with proprietary liposome technology</a>                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>                  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Recommend Usage</b>               | Heating may cause protein aggregation. Please do not heat this product before electrophoresis.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>                | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                      |

## Applications

- Antibody Production

## Gene Info — HTR1A

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3350</a>                                                                                      |
| GeneBank Accession# | <a href="#">NM_000524.2</a>                                                                               |
| Protein Accession#  | <a href="#">NP_000515.2</a>                                                                               |
| Gene Name           | HTR1A                                                                                                     |
| Gene Alias          | 5-HT1A, 5HT1a, ADRB2RL1, ADRBRL1                                                                          |
| Gene Description    | 5-hydroxytryptamine (serotonin) receptor 1A                                                               |
| Omim ID             | <a href="#">109760</a>                                                                                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                 |
| Other Designations  | 5-HT1a receptor G protein coupled receptor guanine nucleotide-binding regulatory protein-coupled receptor |

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Agoraphobia](#)
- [Alcoholism](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Arousal](#)
- [Atrophy](#)

- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Borderline Personality Disorder](#)
- [Brain Injuries](#)
- [Bulimia](#)
- [Choroidal Neovascularization](#)
- [Cognition](#)
- [Conditioning](#)
- [Decision Making](#)
- [Depressive Disorder](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Dominance](#)
- [Dyspepsia](#)
- [Eating Disorders](#)
- [Electroconvulsive Therapy](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Executive Function](#)
- [Fatigue](#)
- [Fatigue Syndrome](#)

- [Functional Laterality](#)
- [Galvanic Skin Response](#)
- [Gambling](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Headache Disorders](#)
- [Hepatitis C](#)
- [Hip Fractures](#)
- [Low Back Pain](#)
- [Lupus Nephritis](#)
- [Macular Degeneration](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mental Processes](#)
- [Metaplasia](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Pain](#)
- [Panic Disorder](#)
- [Pattern Recognition](#)
- [Perception](#)
- [Personality Assessment](#)

- [Personality Disorders](#)
- [Personality Inventory](#)
- [Personality Tests](#)
- [Phobic Disorders](#)
- [Polycystic Ovary Syndrome](#)
- [Premenstrual Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Psychoses](#)
- [Puberty](#)
- [Reaction Time](#)
- [Recurrence](#)
- [Reinforcement \(Psychology\)](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sciatica](#)
- [Scoliosis](#)
- [Stress](#)
- [Substance Withdrawal Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Weight Gain](#)