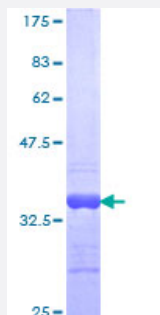


# HTR1A (Human) Recombinant Protein (Q01)

Catalog # H00003350-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human HTR1A partial ORF ( NP_000515, 1 a.a. - 36 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | MDVLSPGQGNNNTTSPAPFETGGNTTGISDVTVSQ                                                                    |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                  |
| <b>Theoretical MW (kDa)</b>          | 29.7                                                                                                   |
| <b>Interspecies Antigen Sequence</b> | Mouse (67); Rat (72)                                                                                   |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                  |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                      |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                            |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                               |
| <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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — HTR1A

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3350</a>                                                                                      |
| GeneBank Accession# | <a href="#">NM_000524</a>                                                                                 |
| Protein Accession#  | <a href="#">NP_000515</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](#)