

Proteoliposomes

Full-Length

HTR7 (Human) Recombinant Protein

Catalog # H00003363-G01

Size 10 ug

Specification

Product Description

Human HTR7 full-length ORF (NP_062874.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MMDVNSSGRPDLYGHLRSFLLPEVGRGLPDLSPDGGADPVAGSWAPHLLSEVTASPAPTWDA
PPDNASGCGEQINYGRVEKVVIGSILTLITLLTIAGNCLVVISVCFVKKLRQPSNYLIVSLALADLSVA
VAVMPFVSVTDLIGGKWIFGHFFCNVFIAMDVMCCTASIMTLCVISIDRYLGITRPLTYPVRQNGKC
MAKMILSVLLSASITLPPLFGWAQNVNDDKVCLISQDFGYTIYSTAVAFYIPMSVMLFMYQIYKAA
RKSAAKHKFPGFPRVEPDVIALNGIVKLQKEVEECANLSRLLKHERKNISIFKREQKAATTLGIIVG
AFTVCWLPFFLLSTARPFICGTSCSCIPLWVERTFLWLGYANSLINPFYAFFNRDLRTTYRSLQCCQ
YRNINRKLSAAGMHEALKLAERPERPEFVL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48

Interspecies Antigen Sequence

Mouse (95); Rat (96)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — HTR7

Entrez GeneID [3363](#)

GeneBank Accession# [NM_019860.2](#)

Protein Accession# [NP_062874.1](#)

Gene Name HTR7

Gene Alias 5-HT7

Gene Description 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled)

Omim ID [182137](#)

Gene Ontology [Hyperlink](#)

Gene Summary The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends. [provided by RefSeq]

Other Designations 5-hydroxytryptamine receptor 7|OTTHUMP00000020077|OTTHUMP00000020078|OTTHUMP0000020079|serotonin 5-HT-7 receptor

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acute Disease](#)
- [Alcoholism](#)
- [Alzheimer Disease](#)
- [Anorexia Nervosa](#)
- [Autistic Disorder](#)

- [Bulimia](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Fatigue](#)
- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)