

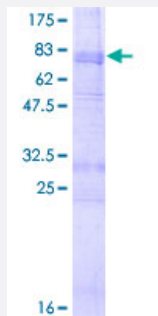
Full-Length

HTR2B (Human) Recombinant Protein (P01)

Catalog # H00003357-P01

Size 2 ug

Applications



Specification

Product Description

Human HTR2B full-length ORF (NP_000858.2, 1 a.a. - 481 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALSYRVSELQSTIPEHILQSTFVHVISSNWSGLQTESIPEEMKQVEEQGNKLHWAALLILMVIPTI
GGNTLVILAVSLEKKLQYATNYFLMSLAVADLLVGLFVMPIALLTIMFEAMWPLPLVLCPAWLFLDV
LFSTASIMHLCAISVDRYAIAKKPIQANQYNSRATAFIKITVVWLISIGIAPVPIKGIETDNDPNNITCVLT
KERFGDFMLFGSLAAFFTPLAIMVTYFLTIHALQKKAYLVKNKPPQRLTWLTVSTVFQRDETPCSS
PEKVAMLDGSRKDKALPNSGDETLMRRTSTIGKKSQVTSNEQRASKVLGMFFLFLLMWCPFFIT
NITLVLCDSCNQTTLMQMLEIFVWIGYVSSGVNPLVYTLFNKTFRDAFGRYTCNYRATKSVKTLRKR
SSKIYFRNPMAENSKFFKKHGIRNGINPAMYQSPMLRSSTIQSSSIILLDTLLLTENEGDKTEERVS
YV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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

Gene Info — HTR2B

Entrez GeneID[3357](#)**GeneBank Accession#**[NM_000867.2](#)**Protein Accession#**[NP_000858.2](#)**Gene Name**

HTR2B

Gene Alias

5-HT(2B), 5-HT2B

Gene Description

5-hydroxytryptamine (serotonin) receptor 2B

Omim ID[601122](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Multiple receptor subtypes of serotonin neurotransmitters with multiple physiologic functions have been recognized. The 5-HT-2 receptors mediate many of the central and peripheral physiologic functions of serotonin. Cardiovascular effects include contraction of blood vessels and shape changes in platelets; central nervous system effects include neuronal sensitization to tactile stimuli and mediation of hallucinogenic effects of phenylisopropylamine hallucinogens.[supplied by OMIM]

Other Designations

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Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Fatigue](#)
- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)