

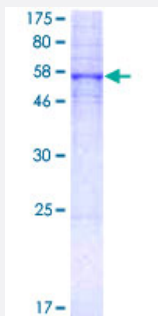
Full-Length

HTR5A (Human) Recombinant Protein (P01)

Catalog # H00003361-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HTR5A full-length ORF (NP_076917.1, 1 a.a. - 357 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDLPVNLTSTFSLSTPSPLETNHSLGKDDLRPSSPLLSVFGVLITLLGFLVAATFAWNLLVLATILR
VRTFHRVPHNLVASMVSDVLVAALVMPLSLVHELSGRRWQLGRRLCQLWIACDVLCTASMN
VTAIALDRYWSITRHMEYTLRTRKCVSNMIALTWALSAVISLAPLLFGWGETYSEGSEECQVSRE
PSYAVFSTVGAFYPLCCVLFVYWKYKAAKFRVGSRKTNVSPISEAVEVKDSAKQPQMVFTVR
HATVTFQPEGDTWREQKEQRAALMVGLIGVFVLCWIPFFLTSLPLCSCDIPAMKSIFLWLGYSN
SFFNPLIYAFNKNYNSAFKNFFSRQH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.7

Interspecies Antigen Sequence

Mouse (88); Rat (88)

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 — HTR5A

Entrez GeneID[3361](#)**GeneBank Accession#**[NM_024012.2](#)**Protein Accession#**[NP_076917.1](#)**Gene Name**

HTR5A

Gene Alias

5-HT5A, MGC138226

Gene Description

5-hydroxytryptamine (serotonin) receptor 5A

Omim ID[601305](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca²⁺ mobilization. [provided by RefSeq]

Other Designations

5-hydroxytryptamine receptor 5A

Pathway

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

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cognition](#)
- [Disease Susceptibility](#)
- [Fatigue](#)
- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Thrombophilia](#)

- [Tobacco Use Disorder](#)
- [Weight Gain](#)