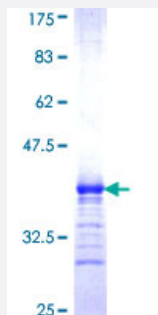


HTR1B (Human) Recombinant Protein (Q01)

Catalog # H00003351-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HTR1B partial ORF (NP_000854, 1 a.a. - 49 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEEPGAQCAPPPPAGSETWVPQANLSSAPSQNCSAKDYYQDSISLPWK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.13
Interspecies Antigen Sequence	Mouse (69); Rat (73)
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 — HTR1B

Entrez GeneID [3351](#)

GeneBank Accession# [NM_000863](#)

Protein Accession# [NP_000854](#)

Gene Name HTR1B

Gene Alias 5-HT1B, 5-HT1DB, HTR1D2, HTR1DB, S12

Gene Description 5-hydroxytryptamine (serotonin) receptor 1B

Omim ID [182131](#)

Gene Ontology [Hyperlink](#)

Gene Summary The neurotransmitter serotonin (5-hydroxytryptamine; 5-HT) exerts a wide variety of physiologic functions through a multiplicity of receptors and may be involved in human neuropsychiatric disorders such as anxiety, depression, or migraine. These receptors consist of 4 main groups, 5-HT-1, 5-HT-2, 5-HT-3, and 5-HT4, subdivided into several distinct subtypes on the basis of their pharmacologic characteristics, coupling to intracellular second messengers, and distribution within the nervous system (Zifa and Fillion, 1992 [PubMed 1359584]). The serotonergic receptors belong to the multigene family of receptors coupled to guanine nucleotide-binding proteins.[supplied by OMIM]

Other Designations OTTHUMP00000016769

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Borderline Personality Disorder](#)
- [Bulimia](#)
- [Bulimia Nervosa](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Cocaine-Related Disorders](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Headache Disorders](#)
- [Heroin Dependence](#)

- [Lung Neoplasms](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Migraine without Aura](#)
- [Mood Disorders](#)
- [Narcolepsy](#)
- [NARP](#)
- [Neuropsychological Tests](#)
- [Obsessive-Compulsive Disorder](#)
- [Panic Disorder](#)
- [Personality Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Psychopharmacology](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Scoliosis](#)
- [Sleep Apnea](#)
- [Substance-Related Disorders](#)
- [Tic Disorders](#)
- [Tourette Syndrome](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Gain](#)
- [Werner syndrome](#)