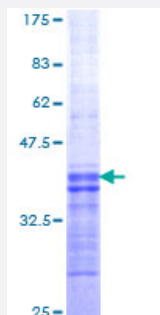


HCRTR2 (Human) Recombinant Protein (Q01)

Catalog # H00003062-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HCRTR2 partial ORF (NP_001517, 1 a.a. - 54 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGTKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHPKEYE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.68
Interspecies Antigen Sequence	Mouse (93); Rat (94)
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 — HCRTR2

Entrez GeneID	3062
GeneBank Accession#	NM_001526
Protein Accession#	NP_001517
Gene Name	HCRTR2
Gene Alias	OX2R
Gene Description	hypocretin (orexin) receptor 2
Omim ID	602393
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq
Other Designations	OTTHUMP00000017762 OTTHUMP00000039969 hypocretin receptor-2 orexin receptor 2

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cluster Headache](#)
- [Diabetes Mellitus](#)
- [Disorders of Excessive Somnolence](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyponatremia](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Narcolepsy](#)
- [NARP](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Tourette Syndrome](#)