

Proteoliposomes

Full-Length

HCRTR2 (Human) Recombinant Protein

Catalog # H00003062-G01

Size 2 ug

Specification

Product Description	Human HCRTR2 full-length ORF (NP_001517.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MSGTKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHPKEYEWVLIAGYIMFV VALIGNVLVCVAVWKNHHMRTVTNYFVNLSLADVLVTITCLPATLVVDITETWFFGQSLCKVIPYLQ TVSVSVSVLTLSCIALDRWYAICHPLMFKSTAKRARNSMIIVWSCIIIMPQAINMECSTVFPGLANKT TLFTVCDERWGGENPKMYHICFFLVTYMAPLCLMVLAYLQIFRKLWCRQIPGTSSVVQRKWKPLQ PVSQPRGPGQPTKSRMSAVAAEIKQIRARRKTARMLMVVLLVFAICYLPISILNVLKRVFGMFAHTE DRETVYAWFTFSHWLVYANSAANPIIYNFLSGKFREEFKAAFSCCCLGVHHRQEDRLTRGRTSTE SRKSLTTQISNFDNISKLSQVVLTSISTLPAANGAGPLQNW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50.7
Interspecies Antigen Sequence	Mouse (95); Rat (95)
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 — HCRTR2

Entrez GeneID	3062
GeneBank Accession#	NM_001526.2
Protein Accession#	NP_001517.1
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 prexin 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](#)