

Recombinant Full Length Human HCRTR1 Protein, GST-tagged

Cat. No. HCRTR1-3608HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human HCRTR1 full-length ORF (AAH74796.1, 1 a.a. - 425 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

Protein Length 425 amino acids

Description The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq]

Molecular Mass 73.9 kDa

AA Sequence

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MEPSATPGAQMGMVPPGSRPSPVPPDYEDFLRYLWRDYLYPKQYEWVLIAYVA
VFVVALVGNTLVCLAVWRNHMRTVTNYFIVNLSLADVLVTAICLPASLLVDITESWL
FGHALCKVIPYLQAVSVSAVLTLSFIALDRWYAICHPLLFKSTARRARGSIWAVS
LAIMVPQAAVMECSSVLPELANRTRLFVSCDERWADDLYPKIYHSCFFIVTYLAPLGL
MAMAYFQIFRKLWGRQIPGTTLSALVRNWKRPDQLGDLEQGLSGEPQPRARAFLA
EVKQMRARRKTAKMLMVLLVFALCYLPISVLNVLKRVFGMFRQASDREAVYACFTF
SHWLVIYANSAANPIIYNFLSGKFREQFKAAFSCCLPGLGPCGSLKAPSPRSSASHKS
LSLQSRCSISKISEHVVLTSVTTVLP
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HCRTR1 hypocretin (orexin) receptor 1 [Homo sapiens]
Official Symbol	HCRTR1
Synonyms	HCRTR1; hypocretin (orexin) receptor 1; orexin receptor type 1; OX1R; ox1-R; ox-1-R; orexin receptor 1; orexin receptor-1; hypocretin receptor 1; hypocretin receptor-1; hypocretin receptor type 1;
Gene ID	3061
mRNA Refseq	NM_001525
Protein Refseq	NP_001516
MIM	602392
UniProt ID	O43613

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