

Recombinant Full Length Human HCRTR1 Protein

Cat. No. HCRTR1-3571HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human HCRTR1 full-length ORF (AAH74796.1) recombinant protein without tag.

Species Human

Source In Vitro Cell Free System

ProteinLength 1,210 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]

Form Liquid

Molecular Mass 47.5 kDa

AA Sequence

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MEPSATPGAQMGVPPGSREPSVPPDYEDFLRYLWRDYLYPKQYEWVLIAYVA
VFVVALVGNTLVCLAVWRNHHMRTVTNYFIVNLSLADVLTVAICLPASLLVDITESWL
FGHALCKVIPYLQAVSVSAVLTLSFIALDRWYAICHPLLFKSTARRARGSILGIWAVS
LAIMVPPQAAVMECSSVLPPLANRTRLFSVCDERWADDLYPKIYHSCFFIVTYLAPLGL
MAMAYFQIFRKLWGRQIPGTTLSALVRNWKRPDQLGDLEQGLSGEPQPRARAFLA
EVKQMRARRKTAKMLMVLLVFALCYLPISVLNVLKRVFGMFRQASDREAVYACFTF
SHWLVIYANSAANPIIYNFLSGKFREQFKAASFCCPLGLGPCGSLKAPSPRSSASHKS
LSLQSRCSISKISEHVVLTSVTTVLP
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Applications	Antibody Production Functional Study Compound Screening
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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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