

Datasheet for ABIN7556512
HCRTR1 Protein (AA 1-416) (His tag)



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Overview

Quantity:	1 mg
Target:	HCRTR1
Protein Characteristics:	AA 1-416
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HCRTR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Hcrtr1 Protein expressed in mammalian cells.
Sequence:	<p>MEPSATPGAQ PGVPTSSGEP FHLPPDYEDE FLRYLWRDYL YPKQYEWVLI AAYVAVFLIA LVGNTLVCLA VWRNHMRTV TNYFIVNLSL ADVLVTAICL PASLLVDITE SWLFGQALCK VIPYLQAVSV SVAVLTLFSI ALDRWYAICH PLLFKSTARR ARGSILGIWA VSLAVMVPQA AVMECSSVLP ELANRTRLFS VCDEHWADEL YPKIYHSCFF IVTYLAPLGL MAMAYFQIFR KLWGRQIPGT TSALVRNWKR PSEQLEAQHQ GLCTEPQPRA RAFLAEVKQM RARRKTAKML MWLLVFALC YLPISVLNVL KRVMFMRQA SDREAVYACF TFSHWLVYAN SAANPIIYNF LSGKFREQFK AAFSCCLPGL GPGSSARHKS LSLQSRCSVS KVSEHVLT TT VTTVLS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

HCRT1

Alternative Name:

Hcrtr1 ([HCRT1 Products](#))

Background:

Orexin/Hypocretin receptor type 1 (Hypocretin receptor type 1) (Orexin receptor type 1) (Ox-1-R) (Ox1-R) (Ox1R),FUNCTION: Moderately selective excitatory receptor for orexin-A and, with a lower affinity, for orexin-B neuropeptide. Triggers an increase in cytoplasmic Ca(2+) levels in response to orexin-A binding. {ECO:0000250|UniProtKB:O43613}.

Molecular Weight:

46.8 kDa

UniProt:

[P58307](#)

Pathways:

[Feeding Behaviour](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions:

For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months