

Recombinant Human HCRTR1 Protein (1-46 aa), His-Myc-tagged

Cat. No. HCRTR1-2463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HCRTR1 Protein (1-46 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1-46 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	10.4 kDa
AA Sequence	MEPSATPGAQMGVPPGSREPSVPPDYEDFLRYLWRDYLYPEKQYE
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [HCRT1 hypocretin \(orexin\) receptor 1 \[Homo sapiens \]](#)

Official Symbol [HCRT1](#)

Synonyms HCRT1; orexin receptor type 1; OX1R; ox1-R; ox-1-R; orexin receptor 1; orexin receptor-1;

Gene ID [3061](#)

mRNA Refseq [NM_001525](#)

Protein Refseq [NP_001516](#)

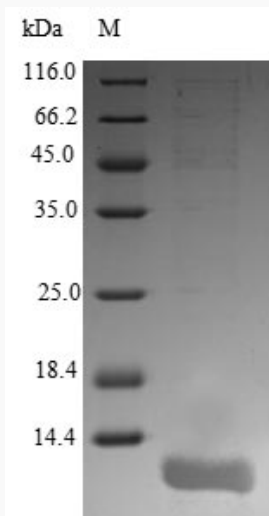
MIM [602392](#)

UniProt ID [O43613](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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