

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	MEPSATPGAQMGVPPGSREPSVPPDYEDFLRYLWRDYLYPKQYE
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [HCRTR1 hypocretin \(orexin\) receptor 1 \[Homo sapiens \]](#)

Official Symbol [HCRTR1](#)

Synonyms HCRTR1; 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](#)

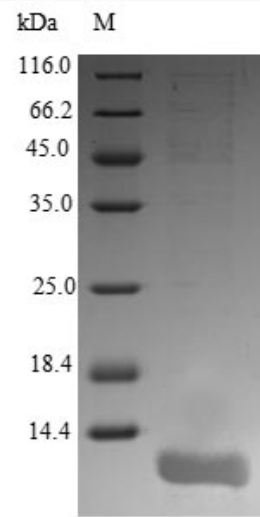
MIM [602392](#)

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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