

HCRT1 protein

Human HCRT1 full length protein-synthetic nanodisc

CATALOG #
AAA47625

HOST
HEK293

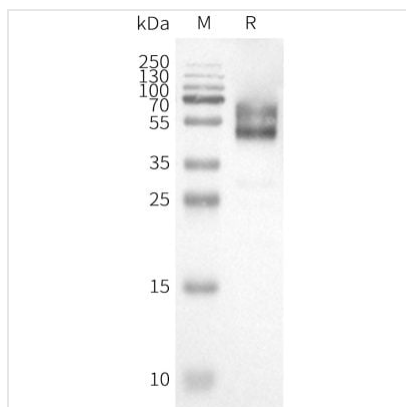
PRODUCT SYNONYMS

HCRT1; Human HCRT1 full length protein-synthetic nanodisc; ORXR1; OX1R; OXR1; HCRT1 protein

PRODUCT SPECIFICATIONS

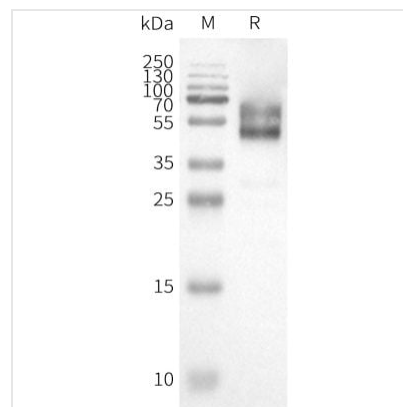
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).

IMAGES



WB (Western Blot)

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag HCRT1-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with HCRT1-Nanodisc is 4.139ng/ml.



ELISA

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag HCRT1-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with HCRT1-Nanodisc is 4.139ng/ml.

ADDITIONAL INFORMATION

Related Product Information for HCRT1 protein	The protein 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 (HCRT2) encodes a G-protein coupled receptor that binds orexin A and orexin B.
Product Categories/Family for HCRT1 protein	FLP 489; Full Length Transmembrane Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	222080095
NCBI GeneID	3061

NCBI Accession #	NP_001516.2
NCBI GenBank Nucleotide #	NM_001525.2
UniProt Accession #	O43613 ; Q9HBV6 ; A8K3A6
Molecular Weight	47,536 Da
NCBI Official Full Name	orexin receptor type 1
NCBI Official Synonym Full Names	hypocretin (orexin) receptor 1
NCBI Official Symbol	HCRT1
NCBI Official Synonym Symbols	OX1R
NCBI Protein Information	orexin receptor type 1; ox1-R; ox-1-R; orexin receptor 1; orexin receptor-1; hypocretin receptor 1; hypocretin receptor-1; hypocretin receptor type 1
UniProt Protein Name	Orexin receptor type 1
UniProt Gene Name	HCRT1
UniProt Synonym Gene Names	Ox-1-R; Ox1-R; OX1R
UniProt Entry Name	OX1R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/hcrt1/47625>