

Orexin (OX) Recombinant Protein | OX recombinant protein

Recombinant Orexin (OX)

CATALOG # AAA149272	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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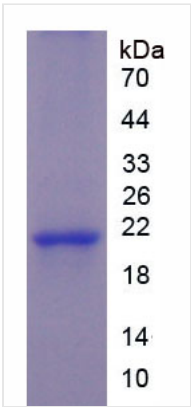
PRODUCT SYNONYMS

Orexin (OX); Recombinant Orexin (OX); HCRT; PPOX; Orexin A; Hypocretin 1; Orexin B; Hypocretin 2; Preproorexin; Hypocretin Neuropeptide Precursor; OX recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for OX recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gln34~Met97
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	9.9
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

QPLPDCC RQKTCSCRLY
ELLHGAGNHA AGILTIGKRR SGPPGLQGRL QRLLQASGNH AAGILTM

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557635
NCBI GeneID	3060
NCBI Accession #	NP_001515.1
NCBI GenBank Nucleotide #	NM_001524.1
Molecular Weight	Predicted Molecular Mass: 20.5kDa Accurate Molecular Mass: 21kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	orexin
NCBI Official Synonym Full Names	hypocretin neuropeptide precursor
NCBI Official Symbol	HCRT
NCBI Official Synonym Symbols	OX; PPOX; NRCLP1
NCBI Protein Information	orexin
UniProt Protein Name	Orexin
UniProt Gene Name	HCRT
UniProt Synonym Gene Names	OX; PPORX; PPOX; Hcrt; Hcrt1; Hcrt2
UniProt Entry Name	OREX_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/hcrt-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/149272>