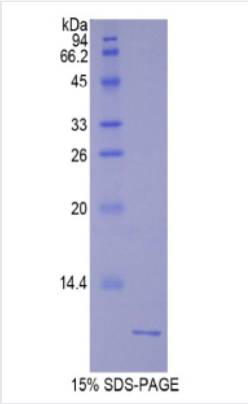
Urocortin 2 (UCN2) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Urocortin 2 (UCN2), Recombinant Protein
Full Product Name	Recombinant Urocortin 2 (UCN2)
Product Gene Name	UCN2 recombinant protein
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHHHHSG SEF-PTFQLL PQ NYPETTPSSV SSESPSDTTT GPSASWSNSK ASPYLDTRVI LSLDVPIGLL RILLEQARNK AARNQAATNA QILARVG
Host	E Coli
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Purity/Purification	> 95%
Preparation and 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 of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: UCN2 (MBS2002617) Immunogen: UCN2 (MBS2012135)
Matching Pairs	APC-CY7 Conjugated Antibody: UCN2 (MBS2066869) Immunogen: UCN2 (MBS2012135)
Matching Pairs	PE Conjugated Antibody: UCN2 (MBS2066870) Immunogen: UCN2 (MBS2012135)
Matching Pairs	APC Conjugated Antibody: UCN2 (MBS2066871) Immunogen: UCN2 (MBS2012135)
Matching Pairs	Cy3 Conjugated Antibody: UCN2 (MBS2066872) Immunogen: UCN2 (MBS2012135)
Matching Pairs	FITC Conjugated Antibody: UCN2 (MBS2066873) Immunogen: UCN2 (MBS2012135)
Matching Pairs	HRP Conjugated Antibody: UCN2 (MBS2066874) Immunogen: UCN2 (MBS2012135)
Matching Pairs	Biotin Conjugated Antibody: UCN2 (MBS2094678) Immunogen: UCN2 (MBS2012135)
Molecular Weight	10.6kDa
Chromosome Location	Chromosome: 8; NC_005107.3 (117078961..117080510). Location: 8q32
3D Structure	ModBase 3D Structure for Q91WW1
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression

Residues	Pro23~Gly107 (Accession # Q91WW1) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for UCN2 recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for UCN2 recombinant protein	MBS2012135 is a recombinant protein targeting UCN2. Also known as Recombinant Urocortin 2 (UCN2). Host: E Coli.
Other Notes	Small volumes of UCN2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of UCN2 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UCN2. It may not necessarily be applicable to this product.

NCBI GI #	254675174
NCBI GeneID	170896
NCBI Accession #	NP_596876.2
UniProt Primary Accession #	Q91WW1
UniProt Related Accession #	Q91WW1
GenBank Nucleotide #	NM_133385.2
NCBI Official Full Name	urocortin-2
NCBI Official Synonym Full Names	urocortin 2
NCBI Official Symbol	Ucn2
NCBI Official Synonym Symbols	Ucn3
UniProt Protein Name	Urocortin-2
UniProt Synonym Protein Names	Urocortin II
Protein Family	Urocortin
UniProt Gene Name	Ucn2
UniProt Synonym Gene Names	Ucn II

UniProt Entry Name	UCN2_RAT
NCBI Protein Information	urocortin-2; ucn II; urocortin 3; urocortin II
NCBI Summary for UCN2	member of the corticotropin-releasing hormone (CRH)-related peptides; may play a role in cardiac hypertrophy and fibrosis; promotes cell proliferation of cardiac non-myocytes [RGD, Feb 2006]
UniProt Comments for UCN2	Function: Suppresses food intake, delays gastric emptying and decreases heat-induced edema. Might represent an endogenous ligand for maintaining homeostasis after stress By similarity. Subunit structure: Binds with high affinity to CRF receptors 2-alpha and 2-beta By similarity. Subcellular location: Secreted. Post-translational modification: Glycosylated By similarity. Sequence similarities: Belongs to the sauvagine/corticotropin-releasing factor/urotensin I family.
Research Articles on UCN2	**1.** Data suggest that estrogens down-regulate Ucn2 expression in uterus; at 9 weeks, mRNA expression levels and contents of Ucn2 in uterus are lower in proestrus than in diestrus; plasma Ucn2 levels do not differ between the two estrous cycle phases.
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