Urocortin (Rat) (Free Acid) (UCN) Peptide – Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	Urocortin (UCN), Peptide
Full Product Name	Urocortin (rat) (free acid) (UCN)
Product Gene Name	UCN peptide
Host	Synthetic peptide
Species Reactivity	Rat
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	13,458 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (27530265..27531130, complement). Location: 2p23-p21
OMIM	600945
Sequence (linear)	Asp-Asp-Pro-Pro-Leu-Ser-Ile-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Thr-Leu-Leu-Glu-Leu-Ala-Arg-Thr-Gln-Ser-Gln-Arg-Glu-Arg-Ala-Glu-Gln-Asn-Arg-Ile-Ile-Phe-Asp-Ser-Val
Product Categories/Family for UCN peptide	Molecular Biology; MB-Peptides
Related Product Information for UCN peptide	MBS659863 is a peptide targeting UCN. Also known as Urocortin (rat) (free acid) (UCN). Reactive in Rat. Host: Synthetic peptide.
Other Notes	Small volumes of UCN peptide 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.

ADDITIONAL DETAILS

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

NCBI GI #	4507803
NCBI GeneID	7349
NCBI Accession #	NP_003344.1
UniProt Primary Accession #	P55089
UniProt Secondary Accession #	Q6FG64
UniProt Related Accession #	P55089
GenBank Nucleotide #	NM_003353.2
NCBI Official Full Name	urocortin preproprotein

NCBI Official Synonym Full Names	urocortin
NCBI Official Symbol	UCN
NCBI Official Synonym Symbols	UI; UROC
UniProt Protein Name	Urocortin
Protein Family	Urocortin
UniProt Gene Name	UCN
UniProt Entry Name	UCN1_HUMAN
NCBI Protein Information	urocortin; prepro-urocortin; urocortin, preproprotein
NCBI Summary for UCN	This gene is a member of the sauvagine/corticotropin-releasing factor/urotensin I family. It is structurally related to the corticotropin-releasing factor (CRF) gene and the encoded product is an endogenous ligand for CRF type 2 receptors. In the brain it may be responsible for the effects of stress on appetite. In spite of the gene family name similarity, the product of this gene has no sequence similarity to urotensin II. [provided by RefSeq, Jul 2008]
UniProt Comments for UCN	Function: Acts in vitro to stimulate the secretion of adrenocorticotropic hormone (ACTH). Binds with high affinity to CRF receptor types 1, 2-alpha, and 2-beta. Subunit structure: Interacts with CRHR1 and CRHR2 (via their N-terminal extracellular domain). Ref.7 Subcellular location: Secreted. Sequence similarities: Belongs to the sauvagine/corticotropin-releasing factor/urotensin I family.
Research Articles on UCN	**1.** Confirm the anti-inflammatory function of VIP, through the modulation of the expression of CRF system that impacts in a reduction of mediators with inflammatory/destructive functions.
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