

Recombinant Mouse Ucn3 protein, His-tagged

Cat. No. Ucn3-7891M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ucn3 aa. (His24~Lys149 (Accession # Q924A4)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	His24~Lys149
Description	This gene encodes a member of the corticotropin-releasing hormone peptide family that participates in coordinating autonomic, endocrine, and behavioral responses to stress. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional hormone. The pancreatic islets isolated from mice lacking the encoded protein secrete less insulin in response to high glucose concentrations. Transgenic mice overexpressing the encoded protein exhibit a metabolically favorable phenotype resisting obesity and hyperglycemia on a high-fat diet.
Form	Freeze-dried powder
Molecular Mass	16 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Ucn3 urocortin 3 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ucn3
Synonyms	Ucn3; urocortin 3; ucn III; urocortin-3; Urocortin III
Gene ID	83428
mRNA Refseq	NM_031250.5
Protein Refseq	NP_112540.2

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UniProt ID

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