Recombinant Mouse Ins2 Protein, His tagged

Cat. No. Ins2-05M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Insulin-2 is produced by Pichia pastoris. The target gene encoding F25-N110 is expressed with a 6His tag at the C terminus.
Species	Mouse
Source	Yeast
ProteinLength	25-110 aa
Description	This gene encodes insulin, a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. The encoded precursor protein undergoes proteolytic cleavage to produce a disulfide-linked heterodimeric functional protein that is stored in secretory granules. An increase in blood glucose levels, among others, induces the release of insulin from the secretory granules. Mice deficient in the functional hormone encoded by this gene develop diabetes mellitus. Alternative splicing results in multiple transcript variants.
Form	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4
Molecular Mass	10.5 kDa
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Purity	> 95% as determined by reducing SDS-PAGE.

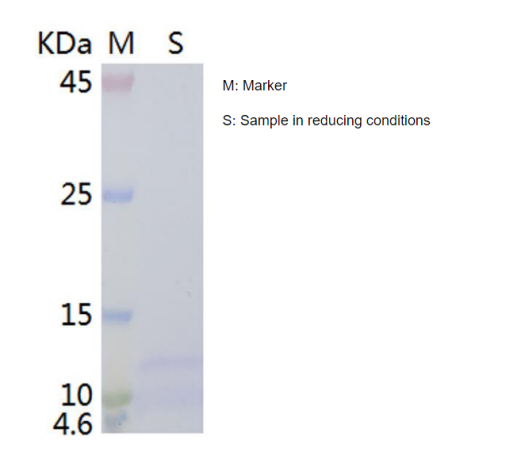
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Storage	Store at ≤-70 centigrade, stable for 6 months after receipt. Store at ≤-70 centigrade, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Shipping	The product is shipped on dry ice pack.

GENE INFORMATION

Gene Name	Ins2 insulin II [Mus musculus (house mouse)]
Official Symbol	Ins2
Synonyms	Ins2; insulin II; Mody; Ins-2; InsII; Mody4; insulin-2; proinsulin
Gene ID	16334
mRNA Refseq	NM_008387
Protein Refseq	NP_032413
UniProt ID	P01326

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SDS-PAGE	

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