

Product datasheet for TP526647

Ins2 (NM_001185083) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse insulin II (Ins2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226647 representing NM_001185083 Red =Cloning site Green =Tags(s)
	MALWMRFLPLLALLFLWESHPTQAFVKQHLGSHLVEALYLVCGERGFFYTPMSRREVEDPQVAQLELGG GPGAGDLQTLALEVAQQKRGIVDQCCTSICSLYQLENYCN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	12.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001172012</u>
Locus ID:	16334
UniProt ID:	<u>P01326</u> , <u>Q5EEX1</u>
RefSeq Size:	455
Cytogenetics:	7 88.0 cM
RefSeq ORF:	330

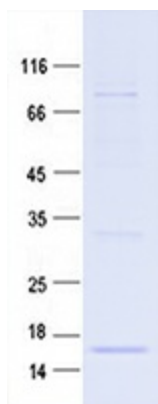


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Synonyms: AA986540; In; Ins-2; InsII; Mod; Mody; Mody4

Summary: 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. [provided by RefSeq, Aug 2015]

Product images:



Purified recombinant protein Ins2 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.