

Recombinant Mouse Ins2 Protein, Myc/DDK-tagged

Cat. No. Ins2-3551M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length insulin II (Ins2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	12.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Ins2 insulin II \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ins2](#)

Synonyms [Ins2](#); [insulin II](#); [In](#); [Mod](#); [Mody](#); [Ins-2](#); [InsII](#); [Mody4](#); [AA986540](#); [insulin-2](#); [proinsulin](#)

Gene ID [16334](#)

mRNA Refseq [NM_001185083](#)

Protein Refseq [NP_001172012](#)

UniProt ID [P01326](#)

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