Insulin (INS) Ornithorhynchus Anatinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Insulin (INS), Recombinant Protein
Full Product Name	Recombinant Ornithorhynchus anatinus Insulin (INS)
Product Gene Name	INS recombinant protein
Product Synonym Gene Name	INS
Product Synonym Names	Insulin; Cleaved into the following 2 chains; 1. Insulin B chain; 2. Insulin A chain
Sequence	FPNQHLCGSH LVEALYLVCG EKGFYYIPRM
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	5,854 Da
Sequence Positions	1-30aa; Cytoplasmic domain
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9TQY7
Species	Ornithorhynchus anatinus (Duckbill platypus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for INS recombinant protein	MBS7055137 is a recombinant protein targeting INS. Also known as Recombinant Ornithorhynchus anatinus Insulin (INS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of INS recombinant protein 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 INS. It may not necessarily be applicable to this product.

NCBI GI #	32172034
NCBI Accession #	Q9TQY7.2
UniProt Primary Accession #	Q9TQY7
UniProt Secondary Accession #	Q9TQY8
NCBI Official Full Name	Insulin
UniProt Protein Name	Insulin

Protein Family	Insulin
UniProt Gene Name	INS
UniProt Comments for INS	Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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