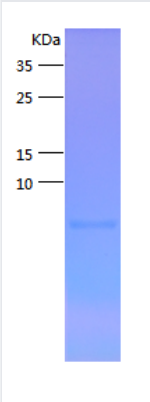
Insulin (INS) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Insulin, Recombinant Protein
Full Product Name	Recombinant Human Insulin
Product Gene Name	INS recombinant protein
Product Synonym Names	IDDM; IDDM1; IDDM2; ILPR; ins; INS_HUMAN; Insulin A chain; Insulin B chain; IRDN; MODY10; Preproinsulin; Proinsulin; Proinsulin precursor
Sequence	chain a+chain b
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	11,981 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (2181009..2182439, complement). Location: 11p15.5
OMIM	125852
3D Structure	ModBase 3D Structure for P01308
Species	Human
Tag	His tag
Reconstitution	10mM HCl
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for INS recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for INS recombinant protein	MBS7608349 is a recombinant protein targeting INS. Also known as Recombinant Human Insulin. Host: E Coli.
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.



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SDS-Page

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INS. It may not necessarily be applicable to this product.

NCBI GI #	386828
NCBI GeneID	3630
NCBI Accession #	AAA59172.1
UniProt Primary Accession #	P01308
UniProt Secondary Accession #	Q5EEX2
UniProt Related Accession #	P01308
NCBI Official Full Name	insulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	ILPR; IRDN; IDDM2; MODY10
UniProt Protein Name	Insulin
Protein Family	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_HUMAN
NCBI Protein Information	insulin; proinsulin; preproinsulin
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/recombinant-protein/insulin/7608349