Insulin-Like Growth Factor-Binding Protein 1 (IGFBP1) Pig Recombinant Protein

PRODUCT OVERVIEW

Product Name	Insulin-like growth factor-binding protein 1 (IGFBP1), Recombinant Protein
Full Product Name	Recombinant Pig Insulin-like growth factor-binding protein 1 (IGFBP1)
Product Gene Name	IGFBP1 recombinant protein
Product Synonym Gene Name	IGFBP1
Sequence	APQPLHCAPC SAERLALCPP VPASCPEATR PAGCGCCPTC ALPLGACGVA TARCARGLSC RALPGEPRPL HALTRGQGAC MPAPSAEATE TKDPAAPETT SPESTEMTQE QLLDSFHLMA TSSEDLPILW NAINNYESMK ALEATDIKKW KEPCQRELYK VLDRLAREQQ KAGDRLYKFY LPNCNKNGFY HSKQCETSLE GEPGLCWCVY PWSGKKILGS TAVRGDPKCH QYFNSQN
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	28,331 Da
Sequence Positions	26-262, Full length protein
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 Q75ZP3
Species	Sus scrofa (Pig)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IGFBP1 recombinant protein	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.
Other Notes	Small volumes of IGFBP1 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.
Searchable Terms for IGFBP1 purchase	MBS1480287 is a recombinant protein targeting IGFBP1. Also known as Recombinant Pig Insulin-like growth factor-binding protein 1 (IGFBP1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGFBP1. It may not necessarily be applicable to this product.

NCBI GI #	78100178
NCBI GeneID	397270
NCBI Accession #	Q75ZP3.1

UniProt Primary Accession #	Q75ZP3
UniProt Related Accession #	Q75ZP3
NCBI Official Full Name	Insulin-like growth factor-binding protein 1
NCBI Official Symbol	IGFBP1
NCBI Official Synonym Symbols	IBP-1; IGFBP-1
UniProt Protein Name	Insulin-like growth factor-binding protein 1
Protein Family	Insulin-like growth factor-binding protein
UniProt Gene Name	IGFBP1
UniProt Synonym Gene Names	IBP-1; IGF-binding protein 1; IGFBP-1
NCBI Protein Information	insulin-like growth factor-binding protein 1
UniProt Comments for IGFBP1	IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Promotes cell migration ().
Research Articles on IGFBP1	**1.** Results of fluorescence in situ and radiation hybrid (RH) mapping assigned this gene to porcine chromosome (SSC) 18q24-qter.
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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