

Recombinant mouse IGFBP-6 protein

Catalog Number: ATGP3411

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-238aa

UniProt No.

P47880

NCBI Accession No.

NP_032370

Alternative Names

Insulin-like growth factor-binding protein 6, Igfbp6, IGFBP-6, IBP 6, IBP-6, IBP6, IBP6_HUMAN, IGF binding protein 6, IGF-binding protein 6, IGFBP 6, IGFBP-6, IGFBP6, Insulin like growth factor binding protein 6, Insulin-like growth factor-binding protein 6

PRODUCT SPECIFICATION

Molecular Weight

23.7 kDa (221aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 40% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Igfbp6, also known as insulin-like growth factor-binding protein 6, binds insulin-like growth factor 1 (IGF-1) and IGF-2 with high affinity and inhibits IGF action in vitro. It is a cysteine-rich protein with conserved cysteine

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residues, which are clustered in the amino- and carboxy-terminal thirds of the molecule. It plays a key role in the regulation of IGF bioavailability, by modulating its molecular size, capillary membrane permeability, target tissue specificity, cell membrane adherence and IGF affinity. Recombinant mouse Igfbp6, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ALAGCPGCGA GMQTGCRGGC VEEEDAGSPA DGCTEAGGCL RREGQPCGVY SPKCAPGLQC QPRENEEAPL
RALLIGQGRC QRARGPSEET TKESKPQGGA SRSRDTNHRD RQKNPRTSAA PIRPNPVQDS EMGPCRRHLD SVLQQLQTEV
FRGGARGLYV PNCDLRGFYR KQQCRSSQGN RRGPCWCVDP MGQPLPVSPD GQGSTQCSAR SSGLEHHHHH H

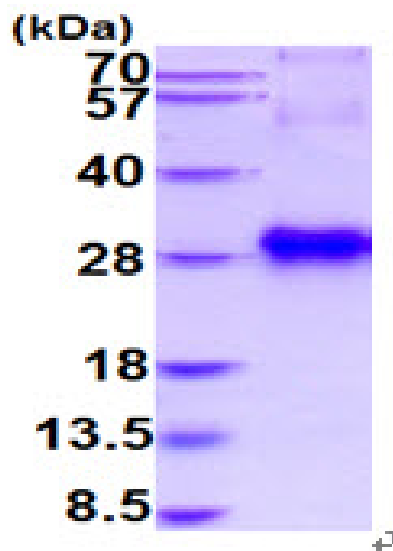
General References

Shalamanova L., et al. (2008) Mol Cell Endocrinol. 295:18-23.

Bach LA., et al. (1999) Horm Metab Res. 31:226-234.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)