

Igfbp6, 26-238aa, Mouse,, His-tag, Baculovirus

Cat.NO.: TP02583

3th Edition

Synonyms:Insulin-like growth factor-binding protein 6 , Igfbp6, IGFBP-6, IBP 6, IBP-6, IBP6, IBP6_HUMANIGF binding protein 6, IGF-binding protein 6IGFBP 6, IGFBP-6, IGFBP6, Insulin like growth factor binding protein 6, Insulin-like growth factor-binding protein 6.

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 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 40% glycerol

Molecular Weight:23.7kDa (221aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

ALAGCPGCGAGMQTGCRGGCVVEEDAGSPADGCTEAGGCLRREGQPCGVYSPKCAPGLQCQPRENEEAPLRA
LLIGQGRCQRARGPSEETTKESKPQGGASRSRDTNHRDRQKNPRTSAAPIRPNPVQDSEMGPCRRHLDSVLQQL
QTEVFRGGARGLYVPNCDLRGFYRKQQCRSSQGNRRGPCWCVDPMGQPLPVSPDGQGSTQCSARSSGLEHHH
HHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.