

# Recombinant human IGFBP-6 protein

Catalog Number: ATGP2270

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

28-240aa

### UniProt No.

P24592

### NCBI Accession No.

NP\_002169.1

### Alternative Names

Insulin-like growth factor-binding protein 6, IBP6

## PRODUCT SPECIFICATION

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### Molecular Weight

25 kDa (236aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### Purity

> 85% 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

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### Description

IGFBP6 contains 1 IGFBP N-terminal domain and 1 thyroglobulin type-1 domain. 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. Recombinant human IGFBP6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSRCPCGCGQ GVQAGCPGGC VEEEDGGSPA EGCAEAEGCL RREGQECGVY  
TPNCAPGLQC HPPKDDEAPL RALLLGRGRC LPARAPAVAE ENPKESKPQA GTARPQDVNR RDQQRNPGTS TTPSQPNSAG  
VQDTEMGPCR RHLDSVLQQL QTEVYRGAQT LYVPNCDHRG FYRKRQCRSS QGQRRGPCWC VDRMGKSLPG  
SPDGNNGSSSC PTGSSG

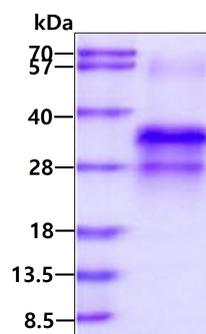
## General References

Shimasaki S., et al (1991), Mol. Endocrinol. 5:938-948

Andress D.L., et al (1991), Biochem. Biophys. Res. Commun. 176:213-218(1991)

## DATA

### SDS-PAGE



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