Recombinant human IGFBP-6 protein

Catalog Number: ATGP2270

PRODUCT INFORMATION

Expression system
E.coli

Domain
28-240aa

UniProt No.
P24592

NCBI Accession No.
NP_002169

Alternative Names
Insulin-like growth factor-binding protein 6, IBP6

PRODUCT SPECIFICATION

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

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 IGFPB6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography techniques.

Amino acid Sequence

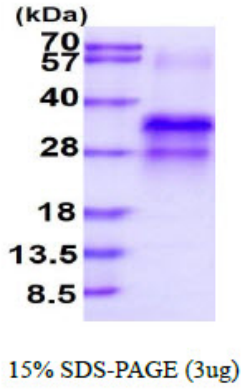
MGSSHHHHHH SSGLVPRGSH MGSRCPGCGQ GVQAGCPGGC VEEEDGGSPA EGCAEAEGCL RREGQECGVY TPNCAPGLQC HPPKDDEAPL RALLLGRGRC LPARAPAVAE ENPKESKPQA GTARPQDVNR RDQQRNPGTS TTPSQPNSAG VQDTEMGPCR RHLDSVLQQL QTEVYRGAQT LYVPNCDHRG FYRKRQCRSS QGQRRGPCWC VDRMGKSLPG SPDGNGSSSC PTGSSG

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



15% SDS-PAGE (3ug)

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