Bioactive HuPro®

IGFBP4 (Human) Recombinant Protein

Catalog # P7425 Size 10 ug

Specification

Product Description	Human IGFBP4 (P22692, 22 a.a. - 258 a.a.) partial recombinant protein with His tag expressed in HEK 293 Cells.
Sequence	DEAIHCPPCSEEKLARCRPPVGCEELVREPGCGCCATCALGLGMPCGVYTPRCGSGLRCYPPR GVEKPLHTLMHGQGVCMELAEIEAIQESLQPSDKDEGDHPNNSFSPCSAHDRRCLQKHFAKIRD RSTSGGKMKVNGAPREDARPVPQGSCQSELHRALERLAASQSRTHEDLYIIPIPNCDRNGNFHPK QCHPALDGQRGKCWCVDRKTGVKLPGGLEPKGELDCHQLADSFRE
Host	Human
Theoretical MW (kDa)	30 ~ 35
Form	Lyophilized
Preparation Method	_x005F_x000D__x000D_ Mammalian cell (HEK 293) expression system_x005F_x000D__x000D_
Purity	> 95% as analyzed by SDS-PAGE. >.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED_{50} < 50.0 ng/mL, measured in a bioassay using FDC-P1 cells in the presence of 15.0 ng/mL Human IGF-II.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

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- Functional Study
- SDS-PAGE

Gene Info — IGFBP4

Entrez GeneID	3487
Protein Accession#	P22692
Gene Name	IGFBP4
Gene Alias	BP-4, HT29-IGFBP, IBP4, IGFBP-4
Gene Description	insulin-like growth factor binding protein 4
Omim ID	146733
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encode s a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insuli n-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glyco sylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction w ith cell surface receptors. [provided by RefSeq
Other Designations	IGF-binding protein 4|insulin-like growth factor-binding protein 4

Disease

- Abortion
- Alzheimer disease
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Complications
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Neoplasms

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- Obesity
- Osteoporosis
- Ovarian Failure
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Prostatic Neoplasms
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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