

Bioactive

HuPro®

IGFBP4 (Human) Recombinant Protein

Catalog # P8194

Size 20 ug

Specification

Product Description	Human IGFBP4 (P22692, 22 a.a. - 258 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
Sequence	DEAIHCPPCSEEKLARCRPPVGCEELVREPGCGCCATCALGLGMPCGVYTPRCGSGLRCYPPRGVEKPLHTLMHGQGVCMELAEIEAIQESLQPSDKDEGDHPNNSFSPCSAHDRRCLQKHFAKIRD RSTSGGKMKVNGAPREDARVPVQGSCQSELHRALERLAASQSRTHEDLYIIPNCDRNGNFHPK QCHPALDGGQRGKCWCVDRKTGVKLPGGLEPKGELDCHQLADSFRE+HisTag
Host	Mammals
Theoretical MW (kDa)	27
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Activity	The ED ₅₀ is 0.01 - 0.09 ug/mL as measured by the ability to inhibit the biological activity of IGFII (20 ng/mL) on MCF7 human breast adenocarcinoma cells.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- 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

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