

Bioactive

IGFBP4 (Human) Recombinant Protein

Catalog # P8195

Size 2 x 10 ug

Specification

Product Description	Human IGFBP4 (P22692, 22 a.a. - 258 a.a.) partial recombinant protein expressed in Sf9 cells.
Sequence	DEAIHCPPCSEEKLARCRPPVGCEELVREPGCGCCATCALGLGMPCGVYTPRCGSGLRRCYPPR GVEKPLHTLMHGQGVCMELAEIAIQESLQPSDKDEGDHPNNSFSPCSAHDRRCLQKHFAKIRD RSTSGGKMKVNGAPREDARVPVQGSCQSELHRALERLAASQSRTHEDLYIPIPNCDRNGNFHPK QCHPALDGQRGKCWCVDRTGVKLPGGLEPKGELDCHQLADSFRE
Host	insect
Theoretical MW (kDa)	30
Form	Lyophilized
Preparation Method	Sf9 cell expression system
Purity	> 97% by SDS-PAGE
Activity	The ED ₅₀ is < 0.1 ug/mL as determined by the ability to inhibit IGF-II induced proliferation of MCF-7 cells, corresponding to a specific activity of > 1.0 × 10 ⁴ IU/mg in the presence of 14 ng/mL of rHuIGF-II.
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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