

Bioactive

IGFBP1 (Human) Recombinant Protein

Catalog # P8191

Size 25 ug

Specification

Product Description	Human IGFBP1 (P08833, 26 a.a. - 259 a.a.) partial recombinant protein expressed in Mouse myeloma cell line.
Sequence	APWQCAPCSAEKLALCPPVSASCSEVTRSAGCGCCPMCALPLGAACGVATARCARGLSCRAL PGEQQPLHALTRGQGACVQESDASAPHAAEAGSPESPESTEITEEELLDNFHLMAPSEEDHSIL WDAISTYDGSKALHVTNIKKWKEPCRIELYRVVESLAKAQETSGEEISKFYLPNCNKNGFYHSRQC ETSMDGEAGLCWCVYPWNGKRIPGSPEIRGDPNCQYFNVQN
Host	Mouse
Theoretical MW (kDa)	25
Form	Lyophilized
Preparation Method	Mouse myeloma cell line, NS0 expression system
Purity	> 95% by SDS-PAGE
Activity	The ED ₅₀ as determined by the inhibition of rHuIGF-I-induced proliferation of human MCF-7 cells is < 4 ug/mL.
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 — IGFBP1

Entrez GeneID	3484
Protein Accession#	P08833
Gene Name	IGFBP1
Gene Alias	AFBP, IBP1, IGF-BP25, PP12, hIGFBP-1
Gene Description	insulin-like growth factor binding protein 1
Omim ID	146730
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. Binding of this protein prolongs th e half-life of the IGFs and alters their interaction with cell surface receptors. [provided by RefSeq
Other Designations	IGF-binding protein 1 alpha-pregnancy-associated endometrial globulin amniotic fluid binding prot ein binding protein-25 binding protein-26 binding protein-28 growth hormone independent-binding protein placental protein 12

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