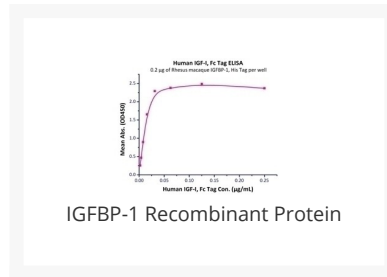




IGFBP-1 Recombinant Protein

Cat. No.: 97-065



Ψ Specifications

SPECIES:	Rhesus monkey
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Ala 48 - Asn 281
FUSION TAG:	His Tag
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	This recombinant protein can be used for E, WB. For research use only.
PREDICTED MOLECULAR WEIGHT:	27.2 kDa

Ψ Properties

PURITY:	>98% as determined by SDS-PAGE. Endotoxin level is less than 1.0 EU per ug by the LAL method.
PHYSICAL STATE:	Lyophilized
BUFFER:	PBS, pH7.4
STORAGE CONDITIONS:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

OFFICIAL SYMBOL:	IGFBP-1
ALTERNATE NAMES:	IGFBP1,PP12,IBP1
ACCESSION NO.:	XP_001085935.2
GENE ID:	696994

 Background and References

BACKGROUND:	Insulin-like growth factor-binding protein 1 (IGFBP1) is also known as placental protein 12 (PP12), which contains oneIGFBP N-terminal domain and one thyroglobulin type-1 domain. IGFBP1 can bindd both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of IGFBP1 can prolongd the half-life of the IGFs and alterd their interaction with cell surface receptors. Furthermore, IGFBP1 can promote cell migration. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
REFERENCES:	1) Lee Y.-L., et al., 1988, Mol. Endocrinol. 2:404-411.
	2) Jones J.I., et al., 1993, J. Biol. Chem. 268:1125-1131.
	3) Sala A., et al., 2005, J. Biol. Chem. 280:29812-29819.

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