

IGF-BP1, human recombinant protein
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Catalog # PBV10372r**Specification**

IGF-BP1, human recombinant protein - Product info

Primary Accession [P08833](#)
Calculated MW **28.8 kDa** KDa

IGF-BP1, human recombinant protein - Additional Info

Gene ID **3484**
Gene Symbol **IBP1**
Other Names
IBP-1, IGF-Binding Protein 1, AFBP, PP12, IGF-BP25, hIGFBP-1, IGFBP-1.

Gene Source **Human**
Source **Nso cells**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC; ≥98%**
Recombinant **Yes**
Results **~100 ng/ml**

Application Notes

Reconstitute in H₂O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or -20°C for future use.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

IGF-BP1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IGF-BP1, human recombinant protein - Images**IGF-BP1, human recombinant protein - Background**

Human IGF-BP1 is a 25.4 kDa cysteine-rich secreted protein expressed in liver, decidual, and kidneys and is the most abundant IGF-BP in amniotic fluid. Levels of IGF-BP1 in serum are lowest after food. IGF-BP1 binds both IGF-I and IGF-II with equal affinity. Phosphorylated IGF-BP1 hinders IGF actions, whereas nonphosphorylated IGF-BP1 is stimulatory. Recombinant human IGF-BP1 is a single, glycosylated protein consisting of 218 amino acid residues.

IGF-BP1, human recombinant protein - References

- Brinkman A., et al. EMBO J. 7:2417-2423(1988).
Brewer M.T., et al. Biochem. Biophys. Res. Commun. 152:1289-1297(1988).
Grundmann U., et al. Nucleic Acids Res. 16:8711-8711(1988).
Julkunen M., et al. FEBS Lett. 236:295-302(1988).
Lee Y.-L., et al. Mol. Endocrinol. 2:404-411(1988).