

Recombinant Human IGF-BP1
Catalog # PBG10170**Specification**

Recombinant Human IGF-BP1 - Product Information**Recombinant Human IGF-BP1 - Additional Information****Description**

IGF-BPs controls the distribution, function and activity of IGFs in various cell tissues and body fluids. Currently there are seven named IGF-BPs that form high affinity complexes with both IGF-I and IGF-II. IGF-BP1 is a 25.4 kDa cysteine-rich secreted protein expressed in liver, deciduas, 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 to both IGF-I and IGF-II with equal affinity. Phosphorylated IGF-BP1 hinders IGF actions, where as nonphosphorylated IGF-BP1 is stimulatory. Recombinant human IGF-BP1 is a 25.4 kDa protein consisting of 235 amino acid residues (Isoform A).

BiologicalActivity

The **ED₅₀** was determined by its ability to inhibit IGF-I induced proliferation of MCF-7 is $\leq 0.5 \mu\text{g/ml}$ in the presence of 6 ng/ml of human IGF-I.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is $<0.1 \text{ ng/} \mu\text{g}$ of protein ($<1\text{EU/} \mu\text{g}$).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human IGF-BP1 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human IGF-BP1 - 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](#)

Recombinant Human IGF-BP1 - Images