

Recombinant Human IGF-BP1

CATALOG #:	4717-10	10 µg
	4717-25	25 µg
	4717-100	100 µg
	4717-1000	1 mg

LOT #: _____

SOURCE: NSO cells

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IGF-BP1.

MOL. WEIGHT: 27.5 kDa

FORM: Sterile filtered and lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water 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.

STORAGE CONDITIONS:

The lyophilized IGF-BP1 is best-stored desiccated below 0°C. Reconstituted IGF-BP1 should be stored at working aliquots at -20°C.

DESCRIPTION:

Human IGF-BP1 is a 25.4 kDa cysteine-rich secreted protein expressed in liver, decidua, 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 polypeptide consisting of 255 amino acid residues with N-terminal His-tag.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by its ability to inhibit IGF-I induced proliferation of NUC-1 cells is ~100 ng/ml.

USAGE: For Research Use Only. Not to be used in humans.

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