

Insulin-Like Growth Factor Binding Protein-1 Human Recombinant

Item Number	rAP-2305
Synonyms	IBP-1, IGF-Binding Protein 1, AFBP, PP12, IGF-BP25, hIGFBP-1, IGFBP-1.
Description	IGFBP-1 Human Recombinant (26-259 a.a.) produced in NS0 is a single, glycosylated, polypeptide chain containing 234 amino acids and having a molecular mass of 25kDa. The IGFBP1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P08833
Amino Acid Sequence	APWQCAPCSA EKLALCPPVS ASCSEVTRSA GCGCCPMCAL PLGAACGVAT ARCARGLSCR ALPGEQQPLH ALTRGQGACV QESDASAPHA AEAGSPESPE STEITEEELL DNFHLMAPSE EDHSIL- WDAI STYDGSKALH VTNIKKWKEP CRIELYRVVE SLAKAQETSG EEISKFYLPN CNKNGFYHSR QCETSM DGEA GLCWCVYPWN GKRIPGSPEI RGD PNCQIYF NVQN.
Source	Mouse myeloma cell line, NS0.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IGFBP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF-BP1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	IGFBP-1 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IBP-1 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, as determined by the inhibition of rHuIGF-I-induced proliferation of human MCF-7 cells, is less than 4µg/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**