

Human IGFBP 1 Recombinant Protein



RPPB0430

Product Information Protein Information

Product SKU:

RPPB0430

Accession:

P08833

Host:

Mouse myeloma cell line, NS0.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IBP-1, IGF-Binding Protein 1, AFBP, PP12, IGF-BP25, hIGFBP-1, IGFBP-1.

Formulation:

IGFBP-1 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

APWQCAPCSA EKLALCPPVS ASCSEVTRSA GCGCCPMCAL PLGAACGVAT ARCARGLSR ALPGEQQPLH
ALTRGQGACV QESDASAPHA AEAGSPESPE STEITEEELL DNFHLMAPSE EDHSILWDAI STYDGSKALH
VTNIKKWKEP CRIELYRVVE SLAKAQETSG EEISKFYLPN CNKNGFYHSR QCETSMDGEA GLCWCVYPWN
GKRIPGSPEI RGD PNCQIYF NVQN.

Biological Activity:

The ED₅₀, as determined by the inhibition of rHuIGF-I-induced proliferation of human MCF-7 cells, is less than 4µg/ml.