

Human IGFBP3 Recombinant Protein



RPPB0431

Product Information Protein Information

Product SKU:

RPPB0431

Accession:

P17936

Host:

Escherichia Coli.

Protein description:

IGFBP3 Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated, polypeptide chain containing 2x264 amino acids and having a molecular mass of 28806 Dalton. IGFBP-3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

GH-dependant binding protein, IBP3, BP-53, IGFBP-3.

Formulation:

Lyophilized from a 0.2µm filtered concentrated (0.5mg/ml) solution in PBS, pH 7.4.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IGFBP3 in sterile 20mM AcOH (acetic Acid) not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IBP3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF-BP 3 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:

GASSGGLGPV VRCEPCDARA LAQCAPPAV CAELVREPGC GCCLTCLASE GQPCGIYTER CGSGLRCQPS
PDEARPLQAL LDGRGLCVNA SAVSRLRAYL LPAPPAGNA SESEEDRSAG EVESPSVSST HRVSDPKFHP
LHAKIIKK GHAKDSQRYK VDYEQSTDT QNFSSKRE TEYGPCRREM EDTLNHLKFL NVLSPRGVHI
PNCDDKGFYK KKQCRPSKGR KRGFCWCVDK YGQPLPGYTT KGKEDVHCYS MQSK.

Biological Activity:

The ED50, calculated by its ability to inhibit IGF-II induced proliferation of MCF-7 is < 0.2 µg/ml in the presence of 15 ng/ml of Human IGF-II, corresponding to a specific activity of 5,000,000units/mg.