

Human IGFBP 5 Recombinant Protein



RPPB0435

Product Information Protein Information

Product SKU:

RPPB0435

Accession:

P24593

Host:

Escherichia Coli.

Protein description:

IGFBP5 Human Recombinant produced in E.Coli is non-glycosylated homodimer containing 2x252 amino acids and having a molecular mass of 28.6kDa. IGFBP5 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IGFBP-5, IBP-5, IGF-binding protein 5.

Formulation:

IBP-5 was lyophilized from a concentrated (1mg/ml) solution containing 10mM sodium Citrate pH-3.

Purity:

Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Insulin-Like Growth Factor Binding Protein-5 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IBP5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFBP 5 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:

LGSEFVHCEPC DEKALSMCPP SPLGCELVKE PGCGCCMTCA LAEQSCGVY TERCAQGLRC LPRQDEEKPL
HALLHGRGVC LNEKSYREQV KIERDSREHE EPTTSEMAEE TYSKIFRPK HTRISELAE AVKKDRRKKL
TQSKFVGGAE NTAHPRIISA PEMRQESEQG PCRRHMEASL QELKASPRMV PRAVYLPNCD RKGFKRKKQC
KPSRGRKRGK CWCVDKYGMK LPGMEYVDGD FQCHTFDSSN VE.

Biological Activity:

The ED₅₀, calculated by its ability to inhibit IGF-II induced proliferation of MCF-7. The expected ED₅₀ for this effect is < 0.4µg/ml, corresponding to a specific activity of > 2500 IU/mg in the presence of 15ng/ml of rHuIGF-II.