

32-1350: IGFBP4 Recombinant Protein

Alternative Name : Insulin-like growth factor-binding protein 4, IBP-4, IGF-binding protein 4, IGFBP-4, IGFBP4, IBP4, BP-4, HT29-IGFBP.

Description

Source : HEK293 cells. IGFBP-4 Human Recombinant amino acids Asp22- Glu258, produced in HEK293 cells and fused with a polyhistidine tag at the C-terminus. IGFBP4 predicted Mw is 27kDa and on SDS-PAGE appears as a 32kDa band under denaturing conditions. IGFBP4 is purified by proprietary chromatographic techniques.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : IGFBP 4 was lyophilized after extensive dialysis against PBS.
Storage condition : Lyophilized IGFBP4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFBP-4 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 : DEAIHCPPCS EEKLARCRPP VGCEELVREP GCGCCATCAL GLGMPCGVYT PRCGSGRLCY PPRGVEKPLH TLMHGQGVCM ELAEIEAIQE SLQPSDKDEG DHPNNSFSPC SAHDRRLQK HFAKIRDRST SGGKMKVNGA PREDARVPVQ GSCQSELHRA LERLAASQSR THEDLYIPI PNCDRNGNFH PKQCHPALDG QRGKCWCVDR KTGKVLPGGL EPKGELDCHQ LADSFRE + His Tag.

Application Note

It is recommended to reconstitute the lyophilized IGFBP4 in sterile 18M-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀ range is 0.01-0.09 µg/ml as measured by its ability to inhibit the biological activity of IGFII (20ng/ml) on MCF7 human breast adenocarcinoma cells.

