

# Human IGFBP 4 Recombinant Protein



RPPB0433

## Product Information Protein Information

### Product SKU:

RPPB0433

### Accession:

P22692

### Host:

HEK293 cells.

### Protein description:

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.

### Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Synonyms:

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

### Formulation:

IGFBP 4 was lyophilized after extensive dialysis against PBS.

### Purity:

Greater than 95.0% as determined by SDS-PAGE.

### Solubility:

It is recommended to reconstitute the lyophilized IGFBP4 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### Stability:

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 Sequence:

DEAIHCPPCS EEKLARCRPP VGCEELVREP GCGCCATCAL GLGMPCGVYT PRCGSGRLRCY PPRGVEKPLH  
TLMHGQGVCM ELAEIEAIQE SLQPSDKDEG DHPNNSFSPC SAHRRCLQK HFAKIRDRST SGGKMKVNGA  
PREDARVPVQ GSCQSELHRA LERLAASQSR THEDLYIPI PNCDRNGNFH PKQCHPALDG QRGKCWCVDK  
KTGVKLPGGL EPKGELDCHQ LADSFRE + His Tag.

### Biological Activity:

The ED<sub>50</sub> range is 0.01-0.09µg/ml as measured by its ability to inhibit the biological activity of IGFII (20ng/ml) on MCF7 human breast adenocarcinoma cells.