

## Human IGF-BP3

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

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
5 µg	1487.950.005		
25 µg	1487.950.025		
1 mg	1487.950.199		

Please enquire for bulk quantities and other vial sizes

### 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.

- **Biological Activity** ≥ 5 x 10<sup>6</sup> units/mg
- **Source** *E. Coli*
- **Purity** ≥ 97 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated (0.5mg/ml) solution in PBS, pH 7.4\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The ED<sub>50</sub>, 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.

### Reconstitution

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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

GASSGGLGPV VRCEPCDARA LAQCAPPPAV CAELVREPGC GCCLTCALSE GQPCGIYTER CGSGLRCQPS  
 PDEARPLQAL LDGRGLCVNA SAVSRLRAYL LPAPPAPGNA SESEEDRSAG EVESPSVSST HRVSDPKFHP  
 LHSKIIIIKK GHAKDSQRYK VDYESQSTDT QNFSSESKRE TEYGPCRREM EDTLNHLKFL NVLSPRGVHI  
 PNCDKKGfYK KKQCRPSKGR KRGFCWCVDK YGQPLPGYTT KGKEDVHCYS MQSK

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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