ACTIVE BIOSCIENCE
PROTEINS · CELLS · ANTIBODIES

Human IGF-BP5

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
5 µg	1489.950.005		
25 µg	1489.950.025		
1 mg	1489.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

IGFBP-5 Human Recombinant produced in *E.Coli* is non-glycosylated homodimer containing 2 x252 amino acids and having a molecular mass of 28.6 kDa.

- **Biological Activity** ≥ 2500 IU/mg in the presence of 15ng/ml of rHuIGF-II
- **Source** *E. coli*
- **Purity** ≥ 96 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** IBP-5 was lyophilized from a concentrated (1 mg/ml) solution containing 10mM sodium Citrate pH -3*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50}, calculated by its ability to inhibit IGF-II induced proliferation of MCF-7. The expected ED_{50} 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.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

LGSFVHCEPC DEKALSMCPP SPLGCELVKE PGCGCCMTCA LAEGQSCGVY TERCAQGLRC LPRQDEEKPL
HALLHGRGVC LNEKSYREQV KIERDSREHE EPTTSEMAEE TYSPKIFRPK HTRISELKAE AVKKDRRKKL
TQSKFVGGAE NTAHPRIISA PEMRQESEQG PCRRHMEASL QELKASPRMV PRAVYLPNCD RKGFYKRKQC
KPSRGRKRGI CWCVDKYGMK LPGMEYVDGD FQCHTFDSSN VE

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.

ORDERING
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