ACTIVE BIOSCIENCE
PROTEINS · CELLS · ANTIBODIES

Human IGF-I

Human IGF-1, recombinant

Synonyms: Somatomedin C, IGF-I, IGFI, IGF1, IGF-IA MGF.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
100 µg	1480.950.100		
500 µg	1480.950.500		
1 mg	1480.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

Recombinant Human IGF-I produced in E.Coli is a 7.6 kDa single, non-glycosylated, polypeptide chain containing 70 amino acids.

- **Biological Activity** ≥ 1 x 10^6 units/mg
- **Source** *E. coli*
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** PBS, pH 7.0*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50} of ≤ 1.0 × 10^6 units/mg was determined by a cell proliferation assay using murine BALB/C 3 T3 cells.

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 IGF-I although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF1 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

GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA

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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