

Human IGF1 N15 Recombinant Protein



RPPB0419

Product Information Protein Information

Product SKU:

RPPB0419

Accession:

P05019

Host:

Escherichia Coli.

Protein description:

IGF1 N15 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 70 amino acids and having a molecular mass of 7.74kDa. The N15 is stable isotope labeled. The IGF1 N15 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Somatomedin C, IGF-I, IGF1, IGF1-IA, Mechano growth factor, MGF.

Formulation:

IGF1 N15 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.2.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IGF1 N15 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IGF1 N15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF1 N15 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:

GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA.

Biological Activity:

The ED50 as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 2ng/ml, corresponding to a specific activity of $> 5.0 \times 10^5$ IU/mg.