

Human IGF1 Recombinant Protein



RPPB0415

Product Information Protein Information

Product SKU:

RPPB0415

Accession:

P01343

Host:

Escherichia Coli.

Protein description:

IGF1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 7.6kDa.IGF-1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.0.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IGF-1 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IGF1 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 or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLPAKSA.

Biological Activity:

The ED₅₀ as determined by a cell proliferation assay using murine BALB/C 3T3 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1×10⁶ units/mg.