

Rat IGF1 Recombinant Protein



RPPB0425

Product Information Protein Information

Product SKU:

RPPB0425

Accession:

P08025

Host:

Escherichia Coli.

Protein description:

IGF-1 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 7.7kDa. IGF-I is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Somatomedin C, IGF-I, IGFA, IGF1.

Formulation:

The protein was lyophilized with a 0.2µm filtered concentrated solution in 20mM PBS, pH 7.0.

Purity:

Greater than 98.0% as determined by SDS-PAGE.

Solubility:

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

Stability:

Lyophilized IGF-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFI 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 VDALQFVCGP RGFYFNKPTG YGSSIRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPTKSA.

Biological Activity:

The ED50 as determined by a cell proliferation assay using FDC-P1 cells is less than 2.0ng/ml, corresponding to a specific activity of >500,000units/mg.