

Human IGF2 Recombinant Protein



RPPB0428

Product Information Protein Information

Product SKU:

RPPB0428

Accession:

P01344

Host:

Escherichia Coli.

Protein description:

Insulin-Like Growth Factor- II Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 67 amino acids and having a molecular mass of 7.5k Dalton. IGF-II is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Somatomedin-A, IGF2, INSIGF, pp9974, C11orf43, FLJ22066, FLJ44734.

Formulation:

The protein was lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA).

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IGF2 in sterile 18MΩ-cm H₂O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFII 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:

AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE.

Biological Activity:

The activity is determined by the dose dependent proliferation of FDC-P1 cells and is typically 1.4 ng/mL corresponding to a specific activity of 7.1x10⁵units/mg.