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Recombinant Human IGF-II Protein

Catalog No.: RP01878 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3481	P01344-1

Tags
C-hFc

Synonyms
IGF2;C11orf43;GRDF;IGF-II;PP9974

Product Information

Source	Purification
HEK293 cells	≥ 85% as determined by SDS-PAGE.

Calculated MW	Observed MW
33.44 kDa	40-45 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 50mMTris□100mM Glycine□pH7.5.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein belongs a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Basic Information

Description
Recombinant Human IGF-II Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala25-Glu91) of human IGF2 (Accession #P01344)fused with a hFc tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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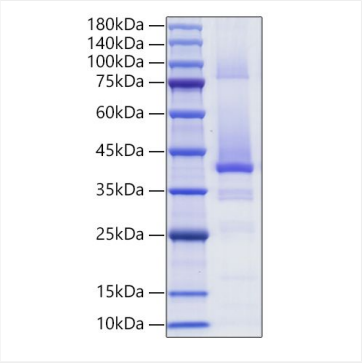
Validation Data



Recombinant Human IGF-II Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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