

Recombinant Human IGF-II Protein

Catalog No.: RP01878

Sequence Information

Species **Gene ID**
Human 3481

Swiss Prot **Tags**
P01344-1 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 50mM Tris, 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 stabilizer (e.g. 0.1% BSA,
5% HSA, 10% FBS or 5%
Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

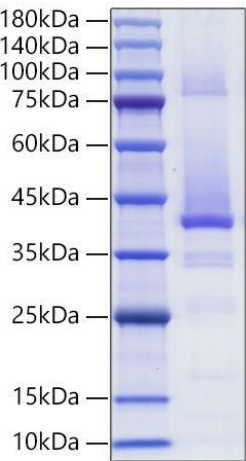
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



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