

RP00388

Leader in Biomolecular Solutions for Life Science



# Recombinant Human IGF-II Protein

Catalog No.: RP00388 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	3481	P01344

**Tags**  
No tag

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

## Product Information

Source	Purification
<I>E. coli</I>	≥ 95 % as determined by SDS-PAGE.

**Endotoxin**  
< 1 EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.2 μm filtered solution of 5 mM Hac, pH 3.0. Contact us for customized product form or formulation.

**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.

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## 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 *E. coli* expression system. The target protein is expressed with sequence (Ala25-Glu91) of human IGF2 (Accession #P01344).

### Bio-Activity

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

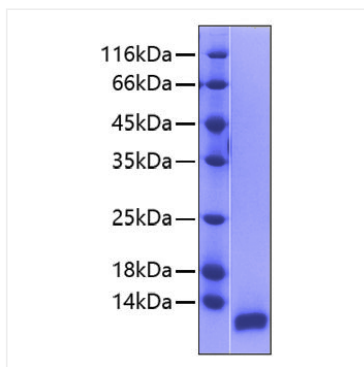
**Operational Notes**  
For your safety and health, please wear a lab coat and disposable gloves for handling.

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

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

## Validation Data

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