cellsciences.com

Recombinant Human Insulin-like Growth Factor 2

Catalog No.	CRI502A CRI502B CRI502C	**Quantity:**	10 µg 50 µg 1.0 mg

Alternate Names: Somatomedin A, GRDF

Description: Insulin-like Growth Factor II (IGF2) is a major growth hormone made by Theca cells during gestation. While IGF2 is known to engage the IGF1 receptor (IGF1R) to mediate embryonic growth, IGF2 is also known to bind the IGF2 receptor (IGF2R). Recombinant human IGF2 is a non-glycosylated protein, containing 67 amino acids.

GeneID: 3481

UniProKB: P01344

Source: *E.coli*

Molecular Weight: Monomer, 7.5 kDa (67 aa)

Formulation: Lyophilized from a sterile filtered solution containing 0.1% Trifluoroacetic Acid (TFA).

Purity: ≥95% by reducing and non-reducing SDS-PAGE.

Endotoxin Level: ≤ 0.1 EU/µg

Biological Activity: The ED_{50}, calculated by the dose-dependent proliferation of FDC-P1 cells, is ≤15 ng/mL.

Specific Activity: ≥ 6.7 X 10^4 U/mg

Amino Acid Sequence: AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE

Reconstitution: **Centrifuge vial before opening.** Reconstitute with sterile water at a concentration of 0.1 mg/mL, gently pipet up and down the sides of the vial to ensure full recovery of the protein into solution.

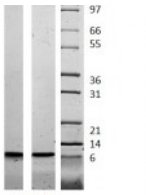
Storage & Stability: **Upon receipt**, store at -20 °C to -80 °C for up to one year. **Upon reconstitution as directed**, the preparation is stable for up to 1 month at 2-8 °C, 3 months at -20 °C to -80 °C. **Long term storage** reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. **Avoid repeated freeze-thaw cycles**

H.P.L.C. Analysis:

® **Cell Sciences** ®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



Human IGF-II
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IGF-II has a predicted MW of 7.5 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com