

Active Recombinant Human IGF2 Protein, Fc & Avi-tagged, Biotinylated

Cat. No. IGF2-215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human IGF-II, Fc Tag (IG2-H82F9) is expressed from human HEK293 cells. It contains AA Ala 25 - Glu 91 (Accession # P01344).
Species	Human
Source	HEK293
ProteinLength	25-91 a.a.
Form	Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA against immobilized Human IGFBP-3, His Tag (0.5 µg/well). The linear range is 0.008-0.1 µg/mL.
Molecular Mass	This protein carries an Avi tag at the N-terminus, followed by a human IgG1 Fc fragment. The protein has a calculated MW of 35.4 kDa. The protein migrates as 40 kDa on a SDS-PAGE gel under reducing condition and 66 kDa under non-reducing condition.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	IGF2 insulin-like growth factor 2 (somatomedin A) [Homo sapiens]
Official Symbol	IGF2
Synonyms	IGF2; insulin-like growth factor 2 (somatomedin A); C11orf43, chromosome 11 open reading frame 43; insulin-like growth factor II; FLJ44734; somatomedin-A; insulin-like growth factor type 2; IGF-II; PP9974; C11orf43; FLJ22066;
Gene ID	3481
mRNA Refseq	NM_000612
Protein Refseq	NP_000603
MIM	
UniProt ID	P01344
Chromosome Location	11p15.5
Pathway	Apoptosis, organism-specific biosystem; Diabetes pathways, organism-specific

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biosystem; Disease, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Hedgehog Signaling Pathway, organism-specific biosystem; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs), organism-specific biosystem;

Function

growth factor activity; hormone activity; insulin receptor binding; insulin-like growth factor receptor binding; protein binding; protein serine/threonine kinase activator activity; receptor activator activity;

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