

Active Recombinant Human IGF2 protein, Fc-tagged

Cat. No. IGF2-1601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2 protein(Ala25-Glu91), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-91 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human IGFBP-3, His Tag at 0.5 µg/mL (100 µL/well) can bind Human IGF-II, Fc Tag with a linear range of 1.2-39 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminusThe protein has a calculated MW of 34.4 kDa. The protein migrates as 35-38 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ala25-Glu91
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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.

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

UniProt ID P01344

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