

Active Recombinant Human IGF2 protein, His-Avi-tagged, Biotinylated

Cat. No. IGF2-1600H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IGF2 protein(Ala25-Glu91), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-91 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
Bio-activity	Immobilized Human IGFBP-3, His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human IGF-II, His,Avitag with a linear range of 1-8 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 11.1 kDa. The protein migrates as 13 kDa and 14 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	>90% 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.
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
UniProt ID	P01344

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