

Active Recombinant Human IGF1 protein, Avi-Fc-tagged, Biotinylated

Cat. No. IGF1-0245H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IGF1 protein(Gly49-Ala118), fused with Avi-Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	49-118 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, 0.5M Arginine, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human IGF-I R, His Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human IGF-I, Avitag,Fc Tag with a linear range of 0.02-0.625 µg/mL.
Molecular Mass	This protein carries an Avi tag (Avitag) at the N-terminus, followed by a human IgG1 Fc tag.The protein has a calculated MW of 35.8 kDa. The protein migrates as 35-43 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly49-Ala118
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 IGF1 insulin-like growth factor 1 (somatomedin C) [Homo sapiens]

Official Symbol IGF1

Synonyms IGF1; insulin-like growth factor 1 (somatomedin C); insulin-like growth factor 1; IGF1A; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor I; insulin-like growth factor IA; insulin-like growth factor IB; IGF-I; IGF-I;

Gene ID 3479

mRNA Refseq NM_000618

Protein Refseq NP_000609

MIM 147440

UniProt ID P05019

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