

Active Recombinant Human IGF1 protein, hFc-tagged, Low Endotoxin

Cat. No. IGF1-2504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF1 protein(P05019-1)(Gly49-Ala118), fused with N-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	49-118 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human IGF1R, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human IGF1, hFc Tag with the EC50 of 0.83µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 33.18 kDa. Due to glycosylation, the protein migrates to 38-43 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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; IGFI; IGF-I;

Gene ID 3479

mRNA Refseq NM_000618

Protein Refseq NP_000609

MIM 147440

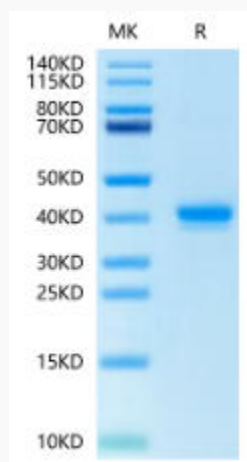
UniProt ID P05019

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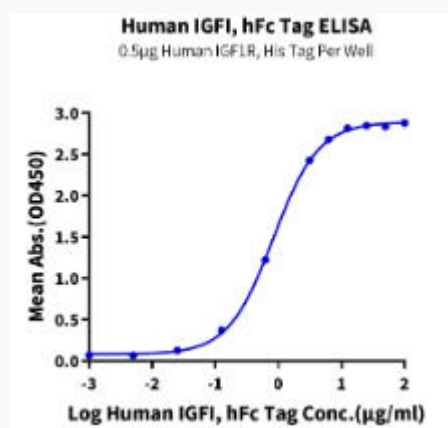
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Bis-Tris PAGE



ELISA Data



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