

Active Recombinant Human IGF1 protein, Low Endotoxin

Cat. No. IGF1-057H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF1 protein(P05019-1)(Gly49-Ala118) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	49-118 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Human IGF1R, His Tag captured on CM5 Chip via Protein A can bind Human IGF1, No Tag with an affinity constant of 8.70 nM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 7.65 kDa. The protein migrates to 8-12 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
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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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

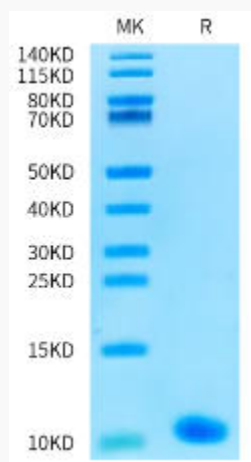
UniProt ID P05019

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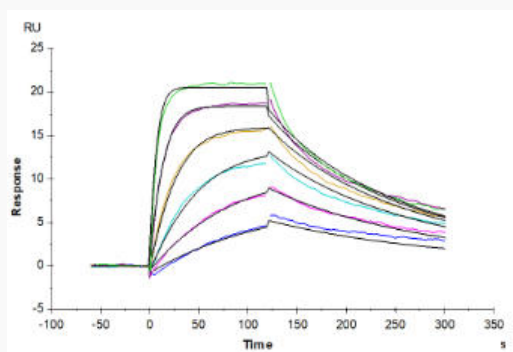
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Bis-Tris PAGE



SPR Data



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