Active Recombinant Human IGF1 protein

Cat. No. IGF1-60H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IGF1 protein(P05019-1)(Gly49-Ala118) is expressed from E.coli without tag.
Species	Human
Source	E. coli
ProteinLength	49-118 aa
Form	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4).
Bio-activity	Human IGF1R, His Tag captured on CM5 Chip via Protein A can bind Human IGFI, 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 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
Storage	-20 to -80°C for 12 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.

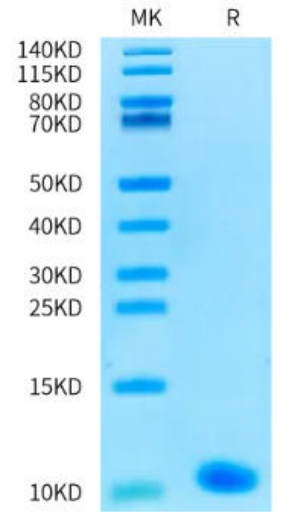
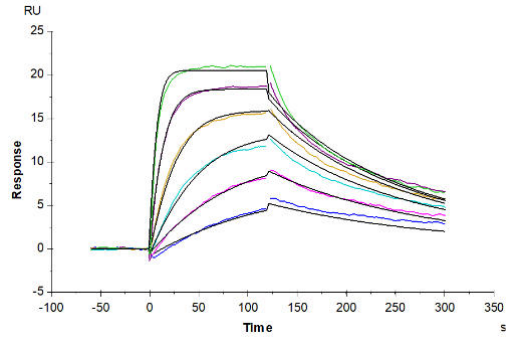
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Reconstitution	Dissolve the lyophilized protein in distilled water.

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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Bis-Tris PAGE	
SPR Data	

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