

Active GMP Recombinant Human IGF1 protein

Cat. No. IGF1-868HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human IGF1 protein(NP_000609)(89 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human IGF-1 LR 3(UniProtKB/Swiss-Prot: P05019) was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	$\geq 5 \times 10^5$ IU/mg
Molecular Mass	Recombinant Human IGF-1 LR 3 contains 89 aa. It has a predicted MW of 9.9 kDa.
Endotoxin	< 0.05 EU/ug
Purity	$\geq 95\%$ by SDS-PAGE and HPLC
Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IGF1 insulin-like growth factor 1 (somatomedin C) [Homo sapiens]
Official Symbol	IGF1
Synonyms	Long R3 IGF-1; Insulin-like Growth Factor-1; Somatamedin C; IGF-IA
Gene ID	3479
mRNA Refseq	NM_000618
Protein Refseq	NP_000609
MIM	147440
UniProt ID	P05019

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