

Recombinant Human IGF1 protein, 15N Stable Isotope Labeled

Cat. No. IGF1-3452H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF1 protein, 15N Stable Isotope Labeled was expressed in E. coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, 0.02% Tween-20, pH 7.0.
Molecular Mass	Approximately 7743 Da, a single non-glycosylated polypeptide chain containing 70 amino acids. 15N stable isotope labeled.
AASequence	GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
Endotoxin	Less than 0.1 EU/g of rHuIGF-1, 15N as determined by LAL method.
Purity	>97% by SDS-PAGE analyses. >90% by RP-HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

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

SDS-PAGE

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