

# Recombinant Human IGF1 protein, 15N Stable Isotope Labeled

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IGF1 protein, 15N Stable Isotope Labeled was expressed in E. coli.                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from a 0.2 μ filtered concentrated solution in PBS, 0.02% Tween-20, pH 7.0.                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | Approximately 7743 Da, a single non-glycosylated polypeptide chain containing 70 amino acids. 15N stable isotope labeled.                                                                                                                                                     |
| <b>AASequence</b>       | GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR<br>SCDLRRLEMY CAPLKPAKSA                                                                                                                                                                                               |
| <b>Endotoxin</b>        | Less than 0.1 EU/g of rHuIGF-1, 15N as determined by LAL method.                                                                                                                                                                                                              |
| <b>Purity</b>           | >97% by SDS-PAGE analyses. >90% by RP-HPLC analyses.                                                                                                                                                                                                                          |
| <b>Storage</b>          | 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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