

IGF1

Recombinant Mouse Insulin-Like Growth Factor 1

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|---------------------------------|--|------------------|--------------------------|
| Catalog No. | CRI501A CRI501B CRI501C | Quantity: | 10 µg 50 µg 1.0 mg |
| Alternate Names: | Somatomedin C, Erythropoietic factor, IBP1, MGF | | |
| Gene ID: | 16000 | | |
| Description: | Recombinant mouse IGF1 is a single, non-glycosylated polypeptide chain containing 70 amino acids. | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | 7.6 kDa | | |
| Formulation: | Lyophilized from a sterile filtered solution without additives | | |
| Purity: | > 98% as determined by RP-HPLC and SDS-PAGE analyses | | |
| Endotoxin Level: | < 0.1 ng/µg of IGF1 | | |
| Biological Activity: | Determined by the dose-dependent proliferation of mouse BALB/C3T3 cells (measured by ³ H-thymidine uptake). The ED ₅₀ is < 1.0 ng/ml. | | |
| Specific Activity: | 1 x 10 ⁶ U/mg | | |
| Amino Acid Sequence: | The sequence of the first five N-terminal amino acids is Gly-Pro-Glu-Thr-Leu. | | |
| Reconstitution: | Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions. | | |
| Storage & Stability: | Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles. | | |

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