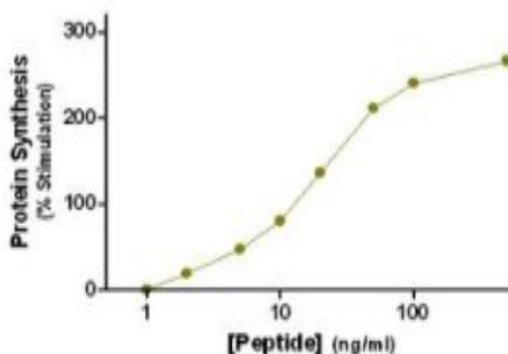


IGF1

Recombinant Chicken IGF-1 Receptor Grade

| | | | |
|---------------------------------|--|------------------|-----------------|
| Catalog No. | HU020 HU100 | Quantity: | 20 µg 100 µg |
| Alternate Names: | Insulin-like growth factor 1 (somatomedin C), IGF-I | | |
| Description: | <p>Insulin-like Growth Factor 1 (IGF-1) is similar to Insulin (INS) in function and structure and is a member of a family of proteins involved in mediating growth and development. IGF-1 is processed from a precursor, bound by a specific receptor, and secreted.</p> <p>Chicken Insulin-like Growth Factor-I (Chicken IGF-1) is a polypeptide comprising 70 amino acids, eight of which differ from the amino acid sequence of human IGF-1. Chicken IGF-1 has been shown to stimulate growth in many cell types, including rat L6 myoblasts and chicken embryo fibroblasts, hepatocytes, adipocytes and myoblasts.</p> | | |
| GeneID: | 418090 | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | 7.74 kDa | | |
| Formulation: | Lyophilized from 0.1 M Acetic Acid under dry N ₂ at a slight vacuum (-25 kPa). | | |
| Purity: | >95% by HPLC | | |
| Endotoxin Level: | < 0.1 EU/µg | | |
| Biological Activity: | ED ₅₀ is ≤30 ng/mL, determined by the stimulation of protein synthesis in L6 myoblasts. | | |
| Amino Acid Sequence: | N-terminal sequence analysis of first 5 residues: a single sequence confirmed. | | |
| Reconstitution: | Protocol # 1000 | | |
| Storage & Stability: | Lyophilized protein is stable at least 2 years at 2-4°C. | | |

Protein synthesis as a function of Recombinant Chicken IGF-1



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com