

Igf1

Recombinant Rat Insulin-Like Growth Factor I, Receptor Grade

Catalog No.	RU020 RU100 RM001	Quantity:	20 µg 100 µg 1.0 mg
Alternate Names:	Somatomedin C, MGF, Erythropoietic factor, IBP1, IGF1		
Description:	Recombinant rat IGF1 is a polypeptide containing 70 amino acids, three of which differ from the amino acid sequence of human IGF1. Rat IGF1 has been shown to stimulate growth in rat L6 myoblasts and other cell lines. Receptor Grade rat IGF1 is a high quality research reagent particularly for use in studies on cellular and animal growth, for use in specific assays for rat IGF1 and other general research purposes.		
Gene ID:	24482		
UniProt ID:	P08025		
Source:	Expressed in <i>E. coli</i>		
Molecular Weight:	7687 Da		
Formulation:	Lyophilized from 0.1 M acetic acid and sealed under dry N ₂ at a slight vacuum.		
Purity:	> 95% by HPLC analysis		
Endotoxin Level:	< 0.1 EU/µg		
Biological Activity:	Determined by an IGF1 receptor binding assay: ED ₅₀ < 10 ng/ml Stimulation of protein synthesis in rat L6 myoblasts: ED ₅₀ ≤ 30 ng/mL.		
Amino Acid Sequence:	N-terminal 5 residues confirmed.		
Reconstitution:	See Protocol 1000, Handling of IGF-I, IGF-II and IGF analogs.		
Application Notes:	Protocol 3001: Iodination of IGF peptides Protocol 3002: Determination of IGF-I or IGF-II in a range of species by Radioimmunoassay (RIA)		
Storage & Stability:	Store as supplied at 2-8°C for up to one year.		

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