

Igf2

Recombinant Rat IGF-II, Receptor Grade

Catalog No.	AAU100	Quantity:	100 µg
Alternate Names:	Insulin-like growth factor II, Multiplication-stimulating activity, MSA, Multiplication-stimulating polypeptide		
Description:	Rat insulin-like growth factor-II (IGF-II) shares structural homology with human IGF-II. Only four amino acids are different compared to the sequence of human IGF-II. Rat IGF-II has been shown to stimulate growth in L6 myoblasts and other cell lines. Receptor Grade rat IGF-II is a high quality research reagent particularly for use in studies on cellular and animal growth, for use in specific assays for rat IGF-II and other general research purposes.		
Gene ID:	24483		
UniProt ID:	P01346		
Source:	Expressed in <i>E. coli</i>		
Molecular Weight:	7515 Da (67 aa)		
Formulation:	Lyophilized from 0.1 M acetic acid and sealed under dry N ₂ at a slight vacuum.		
Purity:	> 90% by HPLC analysis		
Endotoxin Level:	< 0.1 EU/µg		
Amino Acid Sequence:	N-terminal 5 residues confirmed.		
Biological Activity:	ED₅₀ < 5 ng/ml , by an IGF type 2 receptor binding assay. ED₅₀ < 150 ng/ml , by stimulation of protein synthesis in rat L6 myoblasts.		
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.		

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



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