

IGF1

Recombinant Tuna (*Thunnus maccoyii*) IGF-I, Receptor Grade

Catalog No.	AEU100 AEU500	Quantity:	100 µg 500 µg
Alternate Names:	IGF1A, IGF1, insulin-like growth factor 1, MGF, IGF-IA, IGF-IB,		
Description:	Tuna (<i>Thunnus maccoyii</i>) Insulin-like Growth Factor-I (Tuna IGF-I) is a 68 amino acid polypeptide. Tuna IGF-I can be used for a variety of <i>in vivo</i> and <i>in vitro</i> applications including those investigating the actions of growth hormone, since IGF mediates many of the properties of growth hormone		
Source:	<i>E. coli</i>		
N-terminal Sequence:	Confirmation of 5 residues		
Molecular Weight:	7481 daltons (68 aa)		
Formulation:	Lyophilized from 0.1 M acetic acid and sealed under dry N ₂ at slight vacuum (-25 kPa)		
Purity:	> 95 % by HPLC		
Endotoxin Level:	< 0.1 EU/µg		
Biological Activity:	ED ₅₀ < 50 ng/ml, determined by stimulation of protein synthesis in rat L6 myoblasts.		
Reconstitution:	See Protocol 1000, Handling of IGF-I, IGF-II and IGF analogs.		
Applications:	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 for up to 1 year at 2 -8°C.		

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