

IGF1

Recombinant Bream IGF-1 Receptor Grade

Catalog No.	AGU020 AGU100	Quantity:	20 µg 100 µg
Alternate Names:	IGF1A, IGF1, insulin-like growth factor 1, MGF, IGF-IA, IGF-IB, somatomedin-C, mechano growth factor, insulin-like growth factor IA, insulin-like growth factor IB		
Description:	Red Sea bream (<i>Pagrus auratus</i>) Insulin-like Growth Factor-I (rbrIGF-I) is a 67 amino acid polypeptide. Recombinant red sea bream (<i>Pagrus auratus</i>) IGF is identical to [Gly1] gilthead sea bream (<i>Sparus aurata</i>) IGF-I and [Gly1] black bream (<i>Acanthopagrus butcheri</i>) IGF-I, as glycine replaces the serine at position 1 in these IGFs.		
Source:	<i>E. coli</i>		
Molecular Weight:	7379 daltons – confirmed by Mass Spectrometry		
Formulation:	Lyophilized white powder Dried from 0.1 M acetic acid and stored under nitrogen at a slight vacuum		
Purity:	>90 % (by HPLC and N-terminal sequence analysis)		
Endotoxin Level:	< 0.1 EU/µg		
Detection:	By RIA		
Biological Activity:	Stimulation of protein synthesis in rat L6 myoblasts: ED ₅₀ <50 ng/ml		
Storage & Stability:	At least 2 years at 2 - 4°C (lyophilized). Peptides in the lyophilized state should be stored at 2-4° C and are stable for at least 2 years, or 6 months at room temperature. Avoid repeated freeze-thaw cycles.		

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