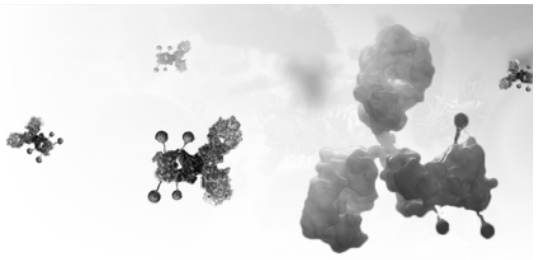

Recombinant Bream Insulin-like Growth Factor-I (IGF-I) (DAG-WT598)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant red sea bream (Pagrus auratus) insulin-like growth factor-I s a 67 amino acid polypeptide. Red sea bream IGF-I is synthesized in E. coli using a patented expression system and the bream IGF-I is correctly folded and then purified by several liquid chromatography purification steps to yield receptor grade bream IGF-I.
Species	Bream
Purity	> 95 % as determined by HPLC
Conjugate	Unconjugated
Applications	N/A
Molecular Weight	7,379 Da
Reconstitution	Dissolve in dilute acid (e.g. 10mM HCl or 0.1M acetic acid)
Stability	2 years
Bio-activity	Stimulation of protein synthesis in L6 myoblasts - ED50 < 5 nM
Endotoxin	≤0.1 EU/μg
Format	Lyophilized Powder
Size	100 μg
Buffer	0.1 M acetic acid
Preservative	None

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Storage	Store at 4°C

BACKGROUND

Introduction	Insulin-like growth factor 1 (IGF-1), also called somatomedin C, is a hormone similar in molecular structure to insulin which plays an important role in childhood growth, and has anabolic effects in adults. IGF-1 is a protein that in humans is encoded by the IGF1 gene. IGF-1 consists of 70 amino acids in a single chain with three intramolecular disulfide bridges. IGF-1 has a molecular weight of 7,649 Daltons.
Keywords	Insulin-like growth factor 1; IGF1; Hormone

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