

## IGF1

### Recombinant Bream IGF-1 Receptor Grade

<b>Catalog No.</b>	AGU100	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	IGF1A, IGFI, 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		
<b>Description:</b>	Red Sea bream ( <i>Pagrus auratus</i> ) Insulin-like Growth Factor-I (rbrIGF-I) is a 67 amino acid polypeptide that shares structural homology with human IGF-I. It 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. Bream IGF-I can be used for a variety of in vivo and in vitro applications including those investigating the actions of growth hormone.		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	7379 daltons – confirmed by Mass Spectrometry		
<b>Formulation:</b>	Lyophilized from 0.1 M acetic acid. Sealed under nitrogen at a slight vacuum (-25 kPa)		
<b>Purity:</b>	> 90 % by HPLC		
<b>Endotoxin Level:</b>	< 0.01 EU/µg		
<b>Biological Activity:</b>	Stimulation of protein synthesis in rat L6 myoblasts: ED <sub>50</sub> <50 ng/ml		
<b>N-Terminal Sequence:</b>	> 95% single sequence by analysis of 5 residues		
<b>Reconstitution:</b>	See Protocol 1000, Handling of IGF-I, IGF-II and IGF analogs.		
<b>Applications:</b>	Protocol 3001: Iodination of IGF peptides Protocol 3002: Determination of IGF-I or IGF-II in a range of species by Radioimmunoassay (RIA)		
<b>Storage &amp; Stability:</b>	Store as supplied for up to 1 year at 2-8°C.		

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