

gh

Recombinant Bream Growth Hormone

Catalog No.	GHAU100 GHAM001 GHAM005	Quantity:	100 µg 1.0 mg 5.0 mg
Alternate Names:	GH, Somatotrophin, met-brGH,		
Description:	Bream Growth Hormone is designed for use in aquaculture research and development. Recombinant methionyl Australian black bream (<i>Acanthopagrus butcheri</i>) Growth Hormone stimulates growth in fish. Black bream GH shares 97% amino acid sequence homology with gilthead sea bream (<i>Sparus aurata</i>), 94% with red sea bream GH (<i>Pagrus major</i>), 93% with tuna GH (<i>Thunnus thynnus</i>), 91% with barramundi GH (<i>Lates calcarifer</i>), 63% with salmon GH (<i>Oncorhynchus keta</i>) and 32% with human GH.		
UniProt ID:	Q01282		
Molecular Weight:	21.41 kDa (188 aa)		
Source:	Expressed in <i>E. coli</i>		
Formulation:	Lyophilized from sterile-filtered 5 mM sodium phosphate, pH 8.5, containing met-brGH: mannitol:glycine (1:5:1 w/w)		
Purity:	> 95%, monomer, as determined by gel filtration chromatography (SEC)		
Endotoxin Level:	< 0.1 EU/µg		
Reconstitution:	See Protocol for Handling of Growth Hormones (included).		
Storage & Stability:	Lyophilized protein is stable as supplied, under nitrogen at a slight vacuum, for up to 1 year at 2-8°C.		

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



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