

## Bream Growth Hormone

### Description

Bream Growth Hormone (GH) is a 188 amino acid protein designed for use in aquaculture research and development. Recombinant methionyl Australian black bream (*Acanthopagrus butcheri*) GH is a 21.41 kDa protein that stimulates growth in fish. Black bream GH shares 97% amino acid sequence homology with gilthead sea bream (*Sparus aurata*), 94% with red sea bream GH (*Pagrus major*), 93% with tuna GH (*Thunnus thynnus*), 91% with barramundi GH (*Lates calcarifer*), 63% with salmon GH (*Oncorhynchus keta*) and 32% with human GH.

### References

Knibbs W *et al* (1991) DNA Sequencing **2**, 121-123

### Source:

Produced in *E.coli*.

### Molecular Weight:

21.41 kDa

### Purity:

>95 % monomer by Gel filtration chromatography

### Endotoxin:

< 0.1 EU/μg

### Appearance:

Lyophilized powder produced under nitrogen at a slight vacuum (~25kPa) from 5 mM sodium phosphate buffer pH 8.5, containing m-brGH: mannitol: glycine (1:5:1 w/w)

### Storage/Stability:

At least 2 years at 2-4°C (as a freeze dried product).

### Reconstitution:

*Handling of GroPep Bioreagents Growth Hormones*

### Product Codes and Pricing

#### Bream GH

100 μg

GHAU100

1 mg

GHAM001

5 mg

GHAM005

### Related Products:

Bream Growth Hormone antiserum (Rabbit)  
Bream IGF-I

**\*\*NOT FOR USE IN HUMANS\*\***

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