



# GroPep® Bioreagents

## Bream IGF-I (*Pagrus auratus*)

### Description

Bream insulin-like growth factor-I (IGF-I) is a single chain 67 amino acid polypeptide that shares structural homology with human IGF-I. It is identical to [Gly<sup>1</sup>] gilthead sea bream (*Sparus aurata*) IGF-I and [Gly<sup>1</sup>] black bream (*Acanthopagrus butcheri*) IGF-I as glycine replaces the serine 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.

### References:

Duguay SJ *et al* (1996) Journal of Molecular Endocrinology **16**, 123-132

### Source:

Produced in *E.coli*.

### Molecular Weight:

7379 daltons

### Purity:

>90 % (by HPLC analysis)

### N-terminal sequence:

Analysis of 5 residues

### Biological Activity:

Stimulation of protein synthesis in rat L6 myoblasts  
(ED<sub>50</sub> < 50 ng/ml)

### Endotoxin:

< 0.1 EU/μg

### Appearance:

White powder freeze-dried from 0.1M acetic acid and stored under nitrogen at a slight vacuum.

### Storage/Stability:

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

### Reconstitution:

*Handling of GroPep IGF-I, IGF-II and IGF analogues*

### Detection:

*Procedure for the Iodination of IGF peptides*  
*Determination of IGF-I or IGF-II in a range of species by*  
*Radioimmunoassay (RIA)*

### Product Codes:

#### Bream IGF-I

100 μg

AGU100

### Related Products:

Barramundi IGF-I antiserum (Rabbit)  
Salmon/Trout IGF-I  
Barramundi IGF-I

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

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