



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 [Gly¹] gilthead sea bream (*Sparus aurata*) IGF-I and [Gly¹] 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 (ED₅₀ < 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 and Pricing:

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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