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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

Igf1 (Gilthead Seabream) Recombinant Protein

Catalog Number: P8186

Regulation Status: For research use only (RUO)

Product Description: Gilthead Seabream Igf1 (Q4G1F3, 44 a.a. - 109 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:

MSPETLCGAELVDTLQFVCGERGFYFSKPGYGP
NAR RSRGIVDECCFQSCELRRLEMYCAPAKTSK

Host: *Escherichia coli*

Theoretical MW (kDa): 7.5

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression system

Purity: > 98% by SDS-PAGE

Activity: Binding assays of the 125I-Gealthhead Seabream IGF1 to Gilthead Seabream or carp (*Cyprinus carpio*) sera resulted in high specific binding, indicating the existence of one or more IGF-binding proteins. In binding experiments to crude Gilthead Seabream brain homogenate, using human (h) IGF-I as a ligand, the respective IC₅₀ value of hIGF1 was about fourfold lower than that of Gilthead Seabream IGF-1. Recombinant Gilthead Seabream IGF-1 exhibited mitogenic activity in a mouse mammary gland-derived MME-L1 cell line which was approximately 200-fold lower than that of hIGF1. Binding experiments to intact MME-L1 cells suggests that this difference most likely results from a correspondingly lower affinity for IGF1 receptor in these cells. In contrast, the activities of Gilthead Seabream IGF-I and hIGF-I measured by ³⁵S uptake by gill arches from the goldfish (*Carassius auratus*) were identical, indicating that the recombinant Gilthead Seabream IGF-I is biologically active.

Recommend Usage: Biological Activity

SDS-PAGE

The optimal working dilution should be determined by the end user.

Storage Buffer: Lyophilized from sterile 0.4% NaHCO₃, pH 8-9 > 100 ug/mL

Storage Instruction: Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GenelD: 115595593