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GroPep Bioreagents



Tuna IGF-I (*Thunnus maccoyii*)

Description

Tuna insulin-like growth factor-I (IGF-I) is a single chain 68 amino acid polypeptide that shares structural homology with human IGF-I. Seventeen amino acids are different compared to the sequence of human IGF-I. Three of these changes occur in the B-domain, seven in the variable C-domain, two in the A-domain and five in the D-domain. Tuna IGF-I can be used for a variety of *in vivo* and *in vitro* applications including those investigating the actions of growth hormone.

References

Dyer AR *et al* (2004) *General & Comparative Endocrinology* **135**, 268-275

Source:	Produced in <i>E.coli</i> .
Molecular Weight:	7481 daltons
Purity:	>95 % (by HPLC analysis)
N-terminal sequence:	Analysis of 5 residues
Biological Activity:	Stimulation of protein synthesis in rat L6 myoblasts (ED ₅₀ < 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:	<i>Handling of GroPep IGF-I, IGF-II and IGF analogues</i>
Detection:	<i>Procedure for the Iodination of IGF peptides</i> <i>Determination of IGF-I or IGF-II in a range of species by Radioimmunoassay (RIA)</i>

Product Codes and Pricing

Tuna IGF-I	100 μg	AEU100	US\$100
Tuna IGF-I	500 μg	AEU500	US\$500

Related Products:	Tuna IGF-II Barramundi IGF-I antiserum (Rabbit)
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****NOT FOR USE IN HUMANS****

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