

## Recombinant Barramundi IGF-I

**Catalog No.** YU020 **Quantity:** 20 µg  
 YU100 100 µg

**Description:** Barramundi (*Lates calcarifer*) Insulin-like Growth Factor-I (Barramundi IGF-I) is a 66 amino acid polypeptide. While IGF-I is known to stimulate growth and differentiation in many cell types and to mediate many of the anabolic properties of growth hormone, the status of the IGF-I / growth hormone axis is currently under investigation in fish.

**Source:** Produced recombinantly in *E.coli*

**Molecular Weight:** 7309 daltons – confirmed by Mass Spectrometry

**N-terminal Sequence:** 5 residues > 95 % single sequence

**Purity:** > 95 % (by HPLC and N-terminal sequence analysis)

**Endotoxin Level:** < 0.1 EU/µg

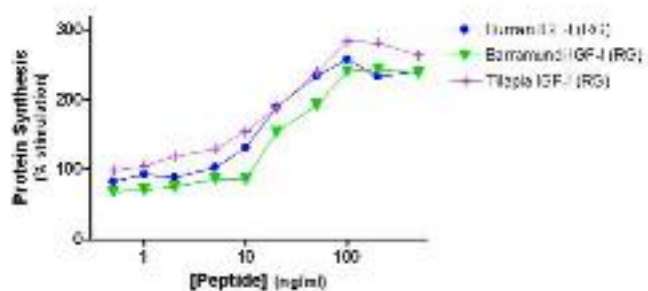
**State & Appearance:** Lyophilized white powder  
 Dried from 0.1 M acetic acid and stored under nitrogen at a slight vacuum

**Biological Activity:** Stimulation of protein synthesis in rat L6 myoblasts: ED<sub>50</sub> < 30 ng/ml

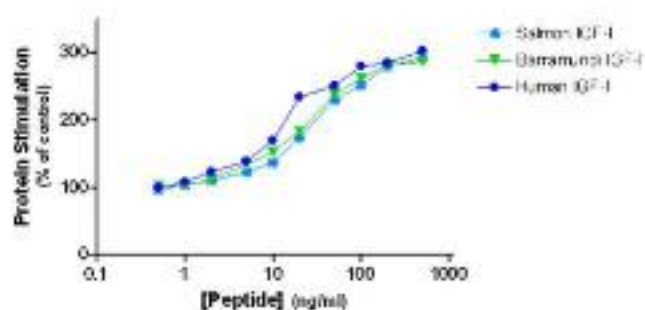
**Storage & Stability:** At least 2 years at 2 - 4°C (lyophilized)

**Related Products:** IGF-I, anti-barramundi (fish)  
 IGF-I, antibody for Immunohistochemistry  
 Barramundi IGF-I Pack  
 IGF-I Immunohistochemistry Pack

Product Performance:  
 Protein Synthesis:



Product Performance:  
 Protein Synthesis:



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

