

distributed in the US/Canada by:  
**EAGLE BIOSCIENCES, INC.**  
20A NW Blvd, Suite 112 Nashua, NH 03063  
Phone: 617-419-2019 FAX: 617-419-1110  
[www.EagleBio.com](http://www.EagleBio.com) • [info@eaglebio.com](mailto:info@eaglebio.com)



# GroPep Bioreagents



## Chicken IGF-I

### Description

Chicken insulin-like growth factor-I (IGF-I) is a single chain 70 amino acid polypeptide that shares structural homology with human IGF-I and chicken IGF-II. Eight amino acids are different compared to the sequence of human IGF-I. Chicken IGF-I has been shown to stimulate growth and differentiation in many cell types including chick embryo fibroblasts. Receptor Grade chicken IGF-I is a high quality research reagent particularly for use in studies on cellular and animal growth, for use in specific assays for chicken IGF-I and other general research purposes.

### References:

Upton Z *et al* (1992) Journal of Molecular Endocrinology **9**, 83-92  
McMurtry JP *et al* (1997) Domestic Animal Endocrinology **14**, 199-229

### Source:

Produced in *E.coli*.

### Molecular Weight:

7738 daltons

### Purity:

>95 % (by HPLC analysis)

### N-terminal sequence:

Analysis of 5 residues

### Biological Activity:

IGF type I receptor binding assay (ED<sub>50</sub> < 10 ng/ml);  
Stimulation of protein synthesis in rat L6 myoblasts  
(ED<sub>50</sub> < 30 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)*

*Procedure for Western Ligand blotting using iodinated IGF-I or IGF-II*

### Product Codes and Pricing:

**Chicken IGF-I**

**100 μg**

**HU100**

**US\$100**

### Related Products:

Chicken IGF-II

Human IGF-I antiserum (Rabbit)

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

GroPep Bioreagents Pty Ltd  
51 West Thebarton Road  
Thebarton SA 5031  
Australia

ABN 93 147 032 166

Telephone: +61 8 7222 1051

Postal Address:  
PO Box 10065  
Adelaide Business Centre  
SA 5000  
Australia

Email:  
[info@gropep.com](mailto:info@gropep.com)

Internet:  
[www.gropep.com](http://www.gropep.com)