

Chicken IGF-II

Description

Chicken insulin-like growth factor-II (IGF-II) is a single chain 66 amino acid polypeptide that shares structural homology with human IGF-II. Twelve amino acids are different compared to the sequence of human IGF-II. Chicken IGF-II has been shown to stimulate growth and differentiation in many cell types including chick embryo fibroblasts. Receptor Grade chicken IGF-II is a high quality research reagent particularly for use in studies on cellular and animal growth, for use in specific assays for chicken IGF-II and other general research purposes.

References

Upton Z *et al* (1995) Journal of Molecular Endocrinology **14**, 79-90

Source:	Produced in <i>E.coli</i> .
Molecular Weight:	7512 daltons
Purity:	>95 % (by HPLC analysis)
N-terminal sequence:	Analysis of 5 residues
Biological Activity:	IGF type I receptor binding assay (ED ₅₀ < 20 ng/ml); Stimulation of protein synthesis in rat L6 myoblasts (ED ₅₀ < 150 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</i> <i>Radioimmunoassay (RIA)</i> <i>Procedure for Western Ligand blotting using iodinated IGF-I or IGF-II</i>

Product Codes:

Chicken IGF-II **100 μg** **SU100**

Related Products:

Chicken IGF-I
Human IGF-II antiserum (Rabbit)
IGF-II polyclonal antibody (Rabbit)

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

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