

**Product:** Insulin-Like Growth Factor I, Chicken Recombinant  
**Catalog #:** 11-IGF-IC  
**Amount:** 10 µg

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**DESCRIPTION:** Recombinant Chicken IGF-I produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 7738 Dalton.  
rcIGF-I is purified by proprietary chromatographic techniques.

**SOURCE:** *E.Coli* Expression System

**PURITY:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rcIGF-I.

**DIMERS & AGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified, in 100mM acetic acid

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm.  
2. Analysis by RP-HPLC, using a calibrated solution of chicken IGF-I, as a Reference Standard.

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles.

**BIOLOGICAL ACTIVITY:** rcIGF-I is fully biologically active when compared to standards.  
The ED50, was calculated 2 methods:  
1. Stimulation of protein synthesis in rat L6 myoblasts  
ED50 was found to be < 30 ng/ml.  
2. Type 1 IGF receptor binding assay ED50 was found to be <10 ng/ml.

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