

Product: Insulin-Like Growth Factor II, Chicken, Recombinant
Catalog #: 11-IGF-IIc
Amount: 10 µg

DESCRIPTION: Recombinant Chicken IGF-II produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 66 amino acids and having a molecular mass of 7512 Dalton.
rIGF-II is purified by proprietary chromatographic techniques.

SOURCE: *E.Coli* Expression System

PURITY: Greater than 95.0% 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 rIGF-II.

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

FORM: Purified

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-II as a Reference Standard.

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

BIOLOGICAL ACTIVITY: rIGF-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 < 150 ng/ml.
2. Type 1 IGF receptor binding assay ED₅₀ was found to be <20 ng/ml.

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