

Product: Long R3 Insulin-like Growth Factor-I, Recombinant
Catalog #: 11-LR3IGF-I
Amount: 100 µg

DESCRIPTION: Recombinant Human rHuLR³IGF-I produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 83 amino acids and having a molecular mass of 9111 Dalton. At position 3, rHuLR³IGF-I has Arg instead of Glu (hence R³), and a 13 amino acid extension peptide at the N-terminus

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 rHuLR³IGF-I

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

FORM: Purified

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

BIOLOGICAL ACTIVITY: rHuLR³IGF-I is fully biologically active when compared to standard
The ED₅₀, calculated by the stimulation of protein synthesis in Rat L6 Myoblasts cells is < 10 ng/ml.
IGF binding protein assay: ED₅₀ >200 ng/ml.
Type 1 IGF receptor binding assay: ED₅₀ > 15 ng/ml

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