IGF1
Recombinant Human LR3 IGF-I, Receptor Grade

Catalog No.	BU020	**Quantity:**	20 μg
	BU100		100 μg

Description: Human LR3 insulin-like Growth Factor-I (LR3IGF-I) is an analog of IGF-I comprising the complete human IGF-I sequence with the substitution of an Arginine for the Glutamine at position 3, plus a 13 amino acid extension peptide at the N-terminus. Human LR3IGF-I is more potent than native IGF-I in vitro and in vivo. This increased potency is due to reduced binding of LR3IGF-I to most of the IGF binding proteins which modify the biological actions of IGF-I.

Receptor grade LR3IGF-I is a high quality research reagent for use in studies on cell growth, IGF receptors and IGF binding proteins.

Source: Expressed in *E. coli*

Molecular Weight: 9110.6 Da (83 aa)

Formulation: Lyophilized from 0.1M acetic acid. Sealed under nitrogen at a slight vacuum.

Purity: >95% by SDS-PAGE analyses.
Three peaks with main peak being > 50% of total area
(Other species are microheterogeneous forms which have biological activity)

N-terminal Sequence: 18 residues confirmed.

Endotoxin Level: < 0.1 EU/μg

Biological Activity: ED_{50} < 350 ng/ml, determined by proliferation of CHO cells.

Reconstitution: See Protocol 1000, Handling of IGF-I, IGF-II and IGF analogs

Storage & Stability: Stored as supplied for up to 1 year at 2-8°C

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.