

## Recombinant Human LR3 Insulin-like Growth factor-1 (rHu LR3IGF-1) Media Grade

Catalog No.	AM001 AM010	Quantity:	1 mg 10 mg
Description:	Human LR3 insulin-like Growth Factor-I (LR3IGF-I) is an 83 amino acid 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.		
	Higher biological potency has Supplementation of cell cultur equivalent or better productiv insulin. LR3IGF-I is better abl higher level of activation of im promoting cell survival by inhi receptor with similar affinity to IGF-1, specifically designed a large-scale manufacturing of	several advantages over r res with LR3IGF-I at a muc ity than supplementation w e to stimulate the type I IGI tracellular signalling molect bition of apoptosis.Human wild type IGF-I. The LR3 i and manufactured for mamu recombinant biopharmaceu	recombinant insulin. h lower concentration results in ith standard concentrations of F receptor and thus induce a ules which are responsible for LR3IGF-I binds to the type 1 IGF s a long-term analog of human malian cell culture to support uticals.
N-terminal Sequence:	18 residues confirmed.		
Source:	E. coli		
Molecular Weight:	9111 Da		
Formulation:	Lyophilized from 0.1M acetic	acid. Sealed under nitroge	en at a slight vacuum.
Purity:	>95% by SDS-PAGE analyse Three peaks with main peak I (Other species are microhete	es. Deing > 50% of total area rogeneous forms which ha	ve biological activity)
Endotoxin Level:	< 0.1 EU/µg		
<b>Biological Activity:</b>	ED <sub>50</sub> < 350 ng/ml, by prolifera	tion of CHO cells.	
Reconstitution:	See Protocol 1000, Handling	of IGF-I, IGF-II and IGF an	alogs
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.			

