

LR3 Insulin Like Growth Factor-1 Human Recombinant

Item Number	rAP-2317
Synonyms	R3 IGF1, R3 IGF-1, R3IGF1, R3IGF-1, LONG IGF1, LONG IGF-1, LONG R3 IGF1, LONG R3IGF1, LONG R3 IGF-1, LONG R3IGF-1.
Description	The LR3 is a long-term analog of human IGF-1, specifically designed and manufactured for mammalian cell culture to support large-scale manufacturing of recombinant biopharmaceuticals. Recombinant Human LR3 Insulin Like Growth Factor-1 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing
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Amino Acid Sequence	MFPAMPLSSLFVNGPRTLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIV DECCFRSCDLRR-LEMYCAPLKPAKSA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized LR3 IGF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution the LR3 IGF1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS. Greater than 95.0% as determined by SDS-PAGE and HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized LR3 IGF1 in sterile 18M-cm H2O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the stimulation of protein synthesis in L6 myoblasts is less than 10ng/ml, corresponding to a specific activity of 100,000units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**