ISO 9001:2016 Certified Recombinant LR^3 IGF-I Proteins*

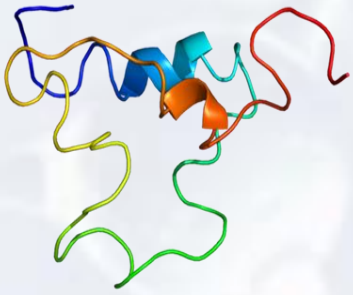
Human LR^3 IGF-I (Media Grade)

- GroPep developed LR^{3}IGF-I specifically for the supplementation of mammalian cell culture to support the survival and proliferation of cells.
- GroPep LR^{3}IGF-I is engineered from natural (hIGF-1), with a Q→R substitution at position 3 plus a 13 amino acid extension at the N-terminus.
- GroPep LR^{3}IGF-I binds to the type-1 IGF receptors with an affinity similar to that of wild-type IGF-I.

Why use GroPep LR^3 IGF-I?

- It is more potent than natural IGF-I in vitro and in vivo.
- It was developed by GroPep specifically for supplementation of mammalian cell culture to support the survival and proliferation of cells.
- It is engineered to be more potent and more advantageous than using insulin survival and proliferation.
- It is effective at a much lower concentration than insulin or IGF-1.
- It is better able to stimulate the type I IGF receptor and thus induce a higher level of activation.
- It is a high-quality product for use in both commercial cell culture manufacture and academic research programs.

Human LR^3 IGF-I Product Details (Media Grade)



Source:	*E. coli*., animal-free media production
MW:	9110 Daltons
Purity:	≥ 95% (SDS-Gel)
Biological Activity:	EC_{50} ≤ 10 ng/ml via a CHO proliferation system
Endotoxin:	≤ 0.1 EU/µg
Appearance:	White powder
Formulation:	Freeze-dried from 0.1M acetic acid and stored under nitrogen at a slight vacuum
Storage/Stability:	≥ 2 years at 2-4°C, unopened vial
Culture Detect:	Biosensis/GroPep ELISA BEK-2233-1P/2P

GroPep LR^3 IGF-I Product Offerings

Name	Quantity	Catalog #
Human LR^3 IGF-I (Media Grade)	1 mg	AM001
Human LR^3 IGF-I (Media Grade)	10 mg	AM010
Human LR^3 IGF-I (Receptor Grade)	20 µg	BU020
Human LR^3 IGF-I (Receptor Grade)	100 µg	BU100

EQAS Certification

* GroPep Bioreagents has Certification of Compliance to AS/NZS ISO 9001:2016 Quality Management System

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