

Human LR3 IGF-1, His Tag, E. coli

Catalog Number	LDG194PHE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce MCF-7 cells proliferation in a serum-free condition. The ED50 for this effect is <2.5 ng/mL.

Form

Lyophilized

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0

Molecular weight

The protein has a calculated MW of 9.9 kDa. The protein migrates as 10-11 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

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Background

LR3 IGF-1 (Long R3 Insulin-like Growth Factor-I) is a synthetic analog of IGF-1 engineered for increased potency and reduced binding to IGF-binding proteins. It stimulates cell proliferation and survival, and is widely used in cell culture and tissue engineering for enhanced growth effects.

Uniprot ID

P05019

Synonyms

Long-[Arg3]-Insulin-like Growth Factor 1, IGF-1 LR3, Long R3 IGF-I, IGF-I LR3, LR3 IGF-I

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

Tainan Headquarters

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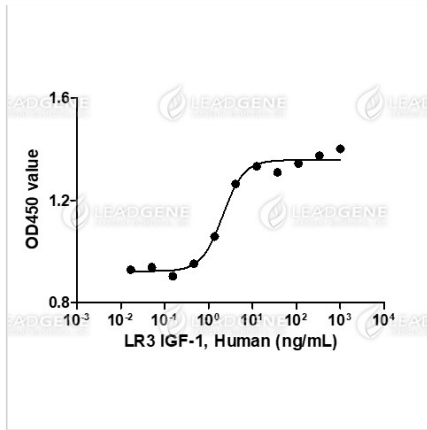
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Innovation & Research Center

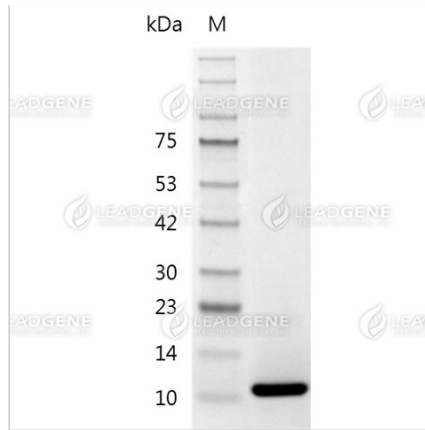
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Activity analysis of recombinant Human LR3 IGF-1, His Tag, E. coli. Measure by its ability to induce MCF-7 cells proliferation in a serum-free condition. The ED50 for this effect is <2.5 ng/mL.



SDS-PAGE analysis of recombinant human LR3 IGF-1 protein.

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