*Optimize Your Research*

# Recombinant Human LR3 Insulin-like Growth Factor-1 protein

## Code CD01368

**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

## Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

## Source

Escherichia coli.

## Molecular Weight

Approximately 9.1 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.

## Purity

>98 % by SDS-PAGE analyses.>90 % by RP-HPLC analyses.

## Biological Activity

Assay 1: Fully biologically active when compared to standard. Measured in a serum-free cell proliferation assay using human MCF-7 cells. The ED50 for this effect is 0.3-1.5 ng/ml, corresponding to a specific activity of > 6.7 × 105 IU/mg.Assay 2: Fully biologically active when compared to standard. The ED50 as determined by the stimulation of protein synthesis using rat L6 myoblasts is less than 10 ng/ml, corresponding to a specific activity of > 1.0 × 105 IU/mg.

## Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

## Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.2.

## Sequence

MFPAMPLSSL FVNGPRTLCG AELVDALQFV CGDRGFYFNK PTGYGSSSRR APQTGIVDEC CFRSCDLRRL EMYCAPLKPA KSA

## Endotoxin

Less than 0.01 EU/μg of rHuLR3 IGF-1 as determined by LAL method.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

If you have any question on order please contact us via: order@bt-laboratory.com; technical assistance please contact us via: support@bt-laboratory.com More product visit www.bt-laboratory.com

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