

## LR3 Insulin Like Growth Factor-1 Active Protein

Recombinant Human LR3 Insulin Like Growth Factor-1

CATALOG #  
**AAA38973**

### PRODUCT SYNONYMS

LR3 Insulin Like Growth Factor-1; Recombinant Human LR3 Insulin Like Growth Factor-1; 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.; LR3 Insulin Like Growth Factor-1 active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | Greater than 97.0% as determined by:<br>(a) Analysis by RP-HPLC<br>(b) Analysis by SDS-PAGE                                                                                                                                                                    |
| Form/Format             | Lyophilized from a 0.2 um filtered concentrated solution in 20mM PB, pH7.2                                                                                                                                                                                     |
| Sequence                | MFPAMPLSSL FVNGPRTLPG AELVDALQFV CGDRGFYFNK PTGYGSSSRP APQTGIVDEC CFRSCDLRRL<br>EMYCAPLKPA KSA                                                                                                                                                                 |
| Source                  | E. coli                                                                                                                                                                                                                                                        |
| Appearance              | Sterile Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                      |
| Solubility              | It is recommended to reconstitute the lyophilized LR3 IGF1 in sterile 18M-cm H2O at a concentration of 100 ug/ml, which can then be further diluted to other aqueous solutions.                                                                                |
| Biological Activity     | The biological activity is <2ng/mL which was determined by the cell proliferation assay using free human MCF-7 cells and corresponding to a Specific Activity of >5.0 x 10 <sup>5</sup> IU/mg                                                                  |
| Preparation and Storage | Store 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. |

### ADDITIONAL INFORMATION

|                                                                                 |                                                                                                                                                                                         |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for LR3 Insulin Like Growth Factor-1 active protein | Recombinant Human LR3 Insulin Like Growth Factor-1 produced in E Coli is a single, non-glycosylated, polypeptide chain containing 83 amino acids and having a molecular mass of 9.1kDa. |
| Product Categories/Family for LR3 Insulin Like Growth Factor-1 active protein   | <a href="#">Cytokines and Growth Factors</a> ; <a href="#">Growth Factors</a> ; <a href="#">Insulin-Like Growth Factor</a>                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/active-protein/lr3-insulin-like-growth-factor-1/38973>