

# Certificate of Analysis

**Product:** Recombinant Human R<sup>3</sup> IGF-1

**Catalog#:** MBS845116

**Lot#:** 4C14L42160 (From E. coli.)

## Specifications:

**Visual:** Lyophilized white powder  
**Reconstitution:** Centrifuge prior to opening; Reconstitute in dH<sub>2</sub>O or 10mM AcOH to 1.0 mg/ml. Avoid freeze/thaw cycles  
**Purification:** ≥ 97 % by SDS-PAGE and HPLC  
**Storage:** Store lyophilized IGF-1 below 0°C. Reconstituted IGF-1 should be stored at working aliquots at -20°C  
**Endotoxin:** < 0.1 EU/μg (by LAL method)  
**Biological activity:** The EC<sub>50</sub> as determined by a cell proliferation assay using BALB3T3 cells.

## Results:

**Visual:** Confirmed  
**Purity:** ≥ 98 % by SDS-PAGE and HPLC  
**Endotoxin:** < 0.1 EU/μg (by LAL method)  
**Biological activity:** Between 1-6 ng/ml

The product is stable for one year from the date of shipment when stored at required temperature.

September 17, 2021

This product is warranted to operate or perform in conformance with published Product specifications in effect at time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts. Unless expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by the FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product ("Buyer")