BioVision

Recombinant Human R³ IGF-1

CATALOG #: 4216-100 100 μg

4216-1MG 1 mg 4216-5MG 5 mg 4216-20MG 20 mg 4216-50MG 50 mg 4216-1G 1 g

SOURCE: E. coli

PURITY: Greater than 97% by SDS-PAGE and HPLC

SPECIFIC ACTIVITY: 1-6 ng/ml

MOLECULAR WEIGHT: 9.11 kDa.

PHYSICAL APPEARENCE: Sterile Filtered white lyophilized (freeze-dried) powder.

FORM: Lyophilized with no additives.

RECONSTITUTION Centrifuge the vial prior to opening. Reconstitute in dH₂O or 10

mM AcOH to 1.0 mg/ml. This solution can then be diluted into other buffered solutions or stored at 4°C for 1 week or -20°C

for future use.

STORAGE CONDITIONS: The lyophilized IGF-1 is best-stored desiccated below 0°C.

Reconstituted IGF-1 should be stored at working aliquots at -

20°C. Avoid freeze/thaw cycles.

BACKGROUND DESCRIPTION: IGF1 (Insulin-like Growth Factor-1) is a polypeptide growth

factor that stimulates the proliferation of a wide range of cell types including muscle, bone, and cartilage tissue. BioVision's recombinant human IGF-1 is an N-terminus modified IGF-1 with a R³ chain, which shows higher potency than regular human IGF-1 in bioactivity assay. The recombinant R³ IGF-1 was produced from E. coli using Animal Origin Free (AOF) components and therefore it is suitable for bio production also. The product can be provided as lyophilized form or liquid form,

stable for at least two years.

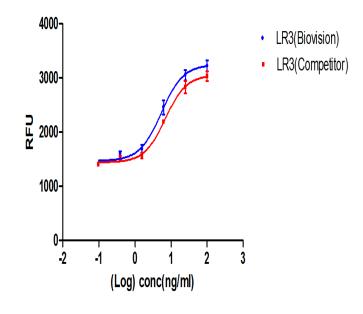
ACTIVITY: The EC₅₀ as determined by a cell proliferation assay using

BALB3T3 cells is typically 1-6 ng/ml.

USAGE: The product is intended for research use or for further

manufacture use. The product is not intended for human or

therapeutic use.



Florescent Cell proliferation Assay to determine bioactivity of IGF-1 LR3

RELATED PRODUCTS:

- IGF-1, human recombinant (Cat. No. 4119-100, 1000, 5000, 10MG, 20MG, 50MG, 1G)
- IGF-BP1, human recombinant (Cat. No. 4717-10, 25, 1000)
- IGF-BP3, human recombinant (Cat. No. 4720-10, 25, 1000)
- IGF-BP5, human recombinant (Cat. No. 4723-10, 25, 1000)
- IGF-1, murine recombinant (Cat. No. 4120-20, 100, 1000)
- IGF-1, rat recombinant (Cat. No. 4121-20, 100, 1000)

FOR RESEARCH USE ONLY! Not to be used in humans.