

## Recombinant Human IGF-I, Long R3

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 APPEARANCE:	Sterile Filtered white lyophilized (freeze-dried) powder.	
FORM:	Lyophilized with no additives.	
RECONSTITUTION	Centrifuge the vial prior to opening. Reconstitute in dH <sub>2</sub> O or 10 mM HAC 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-I is best-stored desiccated below 0°C. Reconstituted IGF-I should be stored at working aliquots at -20°C. Avoid freeze/thaw cycles.	
BACKGROUND DESCRIPTION:	IGF-I (Insulin-like Growth Factor-I) 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-I is a N-terminus modified IGF-I with a Long R3 chain, which shows higher potency than regular human IGF-I in bioactivity assay. The recombinant IGF-I Long R3 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 ED <sub>50</sub> as determined by a cell proliferation assay using NIH3T3 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.

### 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.**