

## Recombinant Human IGF-1 (Animal Origin Free)

CATALOG #:	4119-100	100 µg
	4119-1000	1 mg
	4119-5000	5 mg
	4119-10MG	10 mg
	4119-20MG	20 mg
	4119-50MG	50 mg
	4119-1G	1 g

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC  
Endotoxin level is <0.1 ng/µg of IGF-1.

MOL. WEIGHT: 7.6 kDa

FORMULATION: Lyophilized with no additives

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can 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.

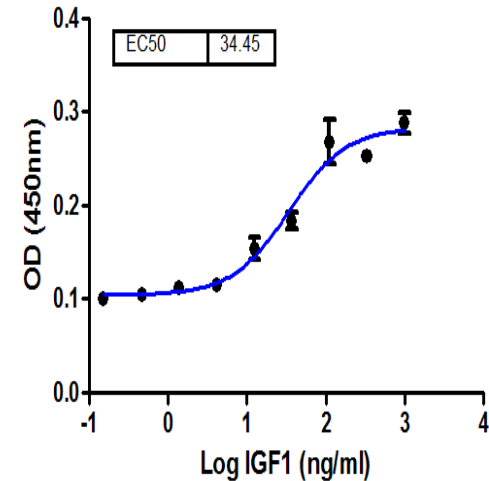
### DESCRIPTION:

IGF-1 (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. Human IGF-1 is a 7.6 kDa protein containing 70 amino acid residues. The recombinant IGF-1 was produced using animal origin free technology.

### BIOLOGICAL ACTIVITY:

EC<sub>50</sub> is typically < 100 ng/ml. The activity was determined using dose dependent stimulation of Balbc 3T3 cell line.

**FOR RESEARCH USE ONLY! Not to be used on humans.**



IGF-1, human recombinant

### RELATED PRODUCTS:

- IGF-II, human recombinant (Cat # 4122-10, -50, -1000)
- IGF-II Antibody (Cat # 5122-100)
- IGF-I, human recombinant (Cat # 4119-100, -1000, -5000, -1MG, -10MG, -20MG, -50MG, 1G)
- IGF-BP1, human recombinant (Cat # 4717-10, -25, -100, -1000)
- IGF-BP3, human recombinant (Cat # 4720-25, -100, -1000)
- IGF-BP5, human recombinant (Cat # 4723-25, -100, -1000)
- IGF-I, murine recombinant (Cat # 4120-20, -50, -100, -1000)
- IGF-I, rat recombinant (Cat # 4120-20, -100, -1000)
- Long R3 IGF-I, human recombinant (Cat # 4216-100, -1MG, -5MG, -20MG, -50MG, -1G)