

R³ IGF-1, human recombinant protein
Insulin-like Growth Factor-I, Somatamedin C, IGF-IA
Catalog # PBV10177r**Specification**

R³ IGF-1, human recombinant protein - Product info

Primary Accession [P01343](#)
Calculated MW **9.11 kDa**

R³ IGF-1, human recombinant protein - Additional Info

Gene ID	3479
Gene Symbol	IGF1
Other Names	
Insulin-like Growth Factor-I, Somatamedin C, IGF-IA, Mechano growth factor	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥97%
Assay2&Purity2	HPLC; ≥97%
Recombinant	Yes
Results	1-6 ng/ml.
Target/Specificity	
R3 IGF-1	

Application Notes

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.

Format

Lyophilized protein

Storage

-20°C; Lyophilized with no additives

R³ IGF-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

R³ IGF-1, human recombinant protein - Images

R³ IGF-1, human recombinant protein - Background

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 bioproduction also. The product can be provided as lyophilized form or liquid form, stable for at least two years.