

**R<sup>3</sup> IGF-1, human recombinant protein**  
**Insulin-like Growth Factor-I, Somatamedin C, IGF-IA**  
**Catalog # PBV10177r****Specification**

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**R<sup>3</sup> IGF-1, human recombinant protein - Product info**

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

**R<sup>3</sup> IGF-1, human recombinant protein - Additional Info**

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

**Application Notes**

Reconstitute in dH<sub>2</sub>O 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

**R<sup>3</sup> 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](#)

**R<sup>3</sup> IGF-1, human recombinant protein - Images**

**R<sup>3</sup> 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.