

Bioactive

# Igf1 (Mouse) Recombinant Protein

Catalog # P7427

Size 10 ug

## Specification

<b>Product Description</b>	Mouse Igf1 (P05017, 49 a.a. - 118 a.a.) partial recombinant protein with an N-terminal Met expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	GPETLCGAELVDALQFVCGRPGRFYFNKPTGYGSSIRRAPQTGMDECCFRSCDLRRLEMYCAPLKPTKAA
<b>Host</b>	<i>Escherichia coli</i>
<b>Theoretical MW (kDa)</b>	~ 7.8
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 95% as analyzed by SDS-PAGE. >.
<b>Endotoxin Level</b>	< 0.2 EU/ ug of protein (gel clotting method)
<b>Activity</b>	ED <sub>50</sub> < 10.0 ng/mL, measured by a cell proliferation assay using FDC-P1 cells, corresponding to a specific activity of > 1.0 × 10 <sup>5</sup> units/mg.
<b>Recommend Usage</b>	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH <sub>2</sub> O up to 100 ug/mL.
<b>Storage Instruction</b>	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Functional Study

- SDS-PAGE

## Gene Info — Igf1

Entrez GeneID	<a href="#">16000</a>
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Protein Accession#	<a href="#">P05017</a>
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Gene Name	Igf1
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Gene Alias	C730016P09Rik, Igf-1, Igf-I
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Gene Description	insulin-like growth factor 1
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Gene Ontology	<a href="#">Hyperlink</a>
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Other Designations	somatomedin
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