

Bioactive

Igf1 (Rat) Recombinant Protein

Catalog # P7405

Size 10 ug

Specification

Product Description	Rat Igf1 (P08025, 49 a.a. - 118 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	GPETLCGAELVDALQFVCGRPGEYFNKPTGYGSSIRRAPQTGMDECCFRSCDLRRLEMYCAPLK PTKSA
Host	Escherichia coli
Theoretical MW (kDa)	~ 7.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED ₅₀ < 10.0 ng/mL, measured in a cell proliferation assay using FDCP-1 cells, corresponding to a specific activity of > 1.0 × 10 ⁵ units/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	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	24482
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Protein Accession#	P08025
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Gene Name	Igf1
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Gene Alias	-
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Gene Description	insulin-like growth factor 1
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Gene Ontology	Hyperlink
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Other Designations	Insulin-like growth factor I somatomedin
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