Bioactive

Igf1 (Mouse) Recombinant Protein

Catalog # P8184 Size 50 ug

Specification

Product Description	Mouse Igf1 (P05017, 49 a.a. - 118 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLEMYCAPLK PTKAA
Host	Escherichia coli
Theoretical MW (kDa)	7.6
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 98% by SDS-PAGE
Activity	The ED_{50} is < 1.0 ng/mL, measured by the dose-dependant proliferation of murine BALBC 3T3 cells (measured by 3H-thymidine uptake), corresponding to a specific activity of 1MU/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — Igf1

Entrez GeneID	16000
Protein Accession#	P05017
Gene Name	Igf1
Gene Alias	C730016P09Rik, Igf-1, Igf-I
Gene Description	insulin-like growth factor 1
Gene Ontology	Hyperlink
Other Designations	somatomedin

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