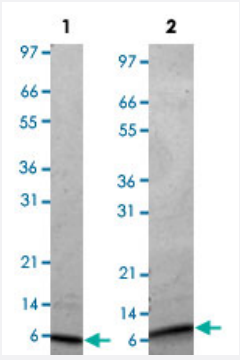
Bioactive

Igf1 (Mouse) Recombinant Protein

Catalog # P4585 Size 50 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

FDC-P1 cells were cultured with 0 to 250 ng/mL mouse Igf1. Cell proliferation was measured after 48 hours and the linear portion of the curve was us used to calculate the ED50.

Specification

Product Description	Mouse Igf1 (Q8CAR0) 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
Endotoxin Level	< 0.1 EU/ug

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Activity	The activity is determined by the dose-dependent proliferation of FDC-P1 cells. The expected ED_{50} f or this effect is 14-21 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	No additive
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis FDC-P1 cells were cultured with 0 to 250 ng/mL mouse Igf1. Cell proliferation was measured after 4 8 hours and the linear portion of the curve was us used to calculate the ED50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Igf1

Entrez GeneID	16000
Protein Accession#	Q8CAR0
Gene Name	Igf1
Gene Alias	C730016P09Rik, Igf-1, Igf-I
Gene Description	insulin-like growth factor 1
Gene Ontology	Hyperlink
Other Designations	somatomedin

Copyright © 2023 Abnova Corporation. All Rights Reserved.