Datasheet for ABIN6699966

IGF1 Protein

2 Images

Go to Product page

Overview

Quantity:	10 µg
Target:	IGF1
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Characteristics:	Somatamedin C, mechano growth factor, IGF-IA
Purification:	Insulin-like Growth Factor I purity was determined to be greater than 98% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Endotoxin Level:	Low endotoxin

Target Details

Target:	IGF1
Alternative Name:	IGF-I (IGF1 Products)
UniProt:	Q8CAR0
Pathways:	RTK Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Peptide Hormone Metabolism, Hormone Activity, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Stem Cell Maintenance, Glycosaminoglycan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Autophagy, Smooth Muscle Cell Migration, Activated T Cell Proliferation,

Copyright antibodies-online. All rights reserved.

Target Details

Positive Regulation of fat Cell Differentiation

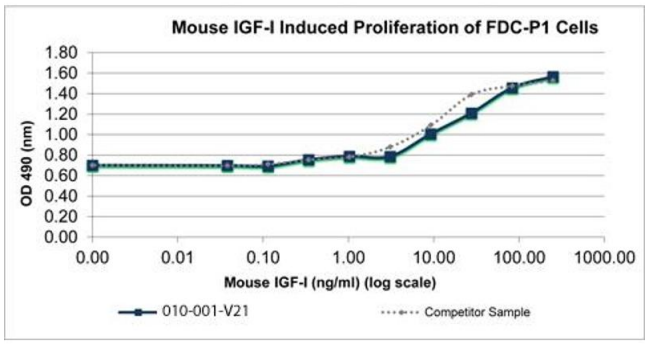
Application Details

Application Notes:	Application Note: Insulin-like Growth Factor I Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Insulin-like Growth Factor I in immunological assays. Other Performance Data: Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: The activity is determined by the dose-dependent proliferation of FDC-P1 cells and is typically less than 20 ng/mL.
Restrictions:	For Research Use only

Handling

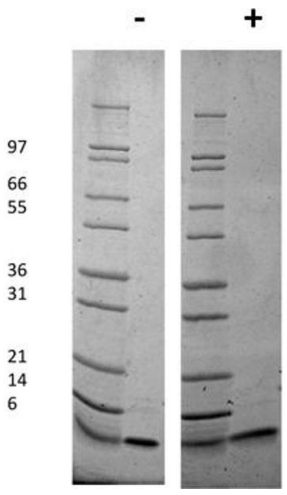
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 10 µL (10-100 µL) Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.1 % Trifluoroacetic acid
Preservative:	Without preservative
Storage:	RT,4 °C,-20 °C
Expiry Date:	6 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Mouse Insulin-like Growth Factor I Recombinant Protein Bioactivity of Mouse Insulin-like Growth Factor I Recombinant Protein. FDC-P1 cells were cultured with 0 to 250 ng/mL Mouse IGF-I. Cell proliferation was measured after 48 hours and the linear portion of the curve was us used to calculate the ED50. The ED50 of Mouse IGF-I is 14-21 ng/mL. This value is comparable to the competitor sample.



SDS-PAGE

Image 2. SDS-PAGE of Mouse Insulin-like Growth Factor I Recombinant Protein SDS-PAGE of Mouse Insulin-like Growth Factor I Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Mouse IGF-I in non-reducing conditions . Lane 3: Molecular weight marker. Lane 4: 1 µg Mouse IGF-I AF in reducing conditions (+). Mouse IGF-I has a predicted MW of 7.6 kDa.

 Copyright antibodies-online. All rights reserved.