Active Recombinant Mouse IGF1 protein, Fc-tagged

Cat. No. IGF1-0244M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IGF1 protein(Gly49-Ala118), fused with Fc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	49-118 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse IGF-I R, His Tag at 5 μg/mL (100 μL/well) can bind Mouse IGF-I Protein, Fc Tag with a linear range of 0.02-1.25 μg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus.The protein has a calculated MW of 34.1 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly49-Ala118
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Igf1 insulin-like growth factor 1 [Mus musculus]
Official Symbol	IGF1
Synonyms	IGF1; insulin-like growth factor 1; insulin-like growth factor I; somatomedin; Igf-1; Igf-I; C730016P09Rik;
Gene ID	16000
mRNA Refseq	NM_001111274
Protein Refseq	NP_001104744

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA