

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**

[lgf1 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](#)

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