

## Recombinant Mouse IGF1 protein(Gly49-Ala118)

Cat. No. IGF1-437M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse IGF1 (NP_001104744.1) (Gly49-Ala118) was expressed in Yeast.
<b>Species</b>	Mouse
<b>Source</b>	Yeast
<b>ProteinLength</b>	Gly49-Ala118
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cell proliferation assay using MCF-7 cells. The ED50 for this effect is 0.2-1.2 µg/mL.
<b>Molecular Mass</b>	The recombinant mouse IGF1 consists of 70 amino acids and predicts a molecular mass of 7.7 kDa.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

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

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