

Recombinant Mouse IGF1 protein(Gly49-Ala118)

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

SPECIFICATION

Product Overview	Recombinant Mouse IGF1 (NP_001104744.1) (Gly49-Ala118) was expressed in Yeast.
Species	Mouse
Source	Yeast
ProteinLength	Gly49-Ala118
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using MCF-7 cells. The ED50 for this effect is 0.2-1.2 µg/mL.
Molecular Mass	The recombinant mouse IGF1 consists of 70 amino acids and predicts a molecular mass of 7.7 kDa.
Purity	> 95 % as determined by SDS-PAGE.
Storage	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.
Reconstitution	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

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

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