

Recombinant Mouse Tigar Protein, His-tagged

Cat. No. Tigar-405M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tigar Protein (Met1-His269) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-His269
Description	Enables fructose-2,6-bisphosphate 2-phosphatase activity. Involved in negative regulation of neuron death and response to ischemia. Acts upstream of or within several processes, including fructose 2,6-bisphosphate metabolic process; negative regulation of catabolic process; and positive regulation of cardiac muscle cell apoptotic process. Located in mitochondrion. Is expressed in brain; immune system; and liver. Orthologous to human TIGAR (TP53 induced glycolysis regulatory phosphatase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.9 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	Tigar Trp53 induced glycolysis regulatory phosphatase [Mus musculus (house mouse)]
Official Symbol	Tigar
Synonyms	Tigar; Trp53 induced glycolysis regulatory phosphatase; C79710; C85509; AA793651; AI595337; 9630033F20Rik; fructose-2,6-bisphosphatase TIGAR; TP53-induced glycolysis and apoptosis regulator; TP53-induced glycolysis regulatory phosphatase; Trp53 induced glycolysis repulatory phosphatase; probable fructose-2,6-bisphosphatase TIGAR; EC 3.1.3.46
Gene ID	319801
mRNA Refseq	NM_177003
Protein Refseq	NP_795977

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UniProt ID

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