

Recombinant Rat Tigar Protein, His-tagged

Cat. No. Tigar-406R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tigar Protein (Met1-His178) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-His178
Description	Predicted to enable bisphosphoglycerate 2-phosphatase activity and fructose-2,6-bisphosphate 2-phosphatase activity. Predicted to be involved in several processes, including fructose 1,6-bisphosphate metabolic process; negative regulation of cell death; and regulation of phosphate metabolic process. Predicted to act upstream of or within several processes, including intestinal epithelial cell development; negative regulation of catabolic process; and positive regulation of cardiac muscle cell apoptotic process. Predicted to be located in mitochondrial outer membrane and nucleus. Predicted to be active in cytosol. Orthologous to human TIGAR (TP53 induced glycolysis regulatory phosphatase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.7 kDa Accurate Molecular Mass: 23 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 TP53 induced glycolysis regulatory phosphatase [Rattus norvegicus (Norway rat)]
Official Symbol	Tigar
Synonyms	TIGAR; TP53 induced glycolysis regulatory phosphatase; FR2BP; C12orf5; fructose-2,6-bisphosphatase TIGAR; TP53-induced glycolysis and apoptosis regulator; fructose-2,6-bisphosphate 2-phosphatase; probable fructose-2,6-bisphosphatase TIGAR; transactivated by NS3TP2 protein; EC 3.1.3.46
Gene ID	502894
mRNA Refseq	NM_001025064
Protein Refseq	NP_001020235

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UniProt ID

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