

Recombinant Human TIGAR Protein, 13-TAT-tagged

Cat. No. TIGAR-1033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TIGAR protein, fused to 13-residue TAT tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein with sequence similarity to the bisphosphate domain of the glycolytic enzyme that degrades fructose-2,6-bisphosphate. The protein functions by blocking glycolysis and directing the pathway into the pentose phosphate shunt. Expression of this protein also protects cells from DNA damaging reactive oxygen species and provides some protection from DNA damage-induced apoptosis. The 12p13.32 region that includes this gene is paralogous to the 11q13.3 region. [provided by RefSeq, Jul 2008].
Form	Lyophilized from a 0.2 M filtered solution of 20 mM phosphate buffer, 100 mM NaCl, pH 7.2
Molecular Mass	31.6 kDa
Purity	Resuspend the protein in the desired concentration in proper buffer
Concentration	Resuspend the protein in the desired concentration in proper buffer

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GENE INFORMATION

Gene Name	TP53 induced glycolysis regulatory phosphatase [Homo sapiens]
Official Symbol	TIGAR
Synonyms	C12orf5; FR2BP
Gene ID	57103
Protein Refseq	NP_065108
MIM	610775

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