

Recombinant Human TIGAR Protein, MYC/DDK-tagged

Cat. No. TIGAR-1036H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TIGAR protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	29.9 kDa
Purity	>50 ug/mL as determined by microplate BCA method
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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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