

Product datasheet for **RC204087L4V**

TIGAR (NM_020375) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TIGAR (NM_020375) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TIGAR
Synonyms:	C12orf5; FR2BP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020375
ORF Size:	810 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204087).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_020375.2
RefSeq Size:	8237 bp
RefSeq ORF:	813 bp
Locus ID:	57103
UniProt ID:	Q9NQ88
Cytogenetics:	12p13.32
Domains:	PGAM
MW:	30.1 kDa



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Gene Summary:

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]