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Product datasheet for TL502925

Pum3 Mouse shRNA Plasmid (Locus ID 52874)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Pum3 Mouse shRNA Plasmid (Locus ID 52874)
Locus ID:	52874
Synonyms:	1110069H02Rik; AA675048; D19Bwg1357e
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Pum3 - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 52874). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_177474, NR_131940, NM_177474.1, NM_177474.2, NM_177474.3, NM_177474.4, NM_177474.5, BC016186, BC041111, BC052686, BC145533
UniProt ID:	Q8BKS9
Summary:	This gene encodes a member of the evolutionarily conserved Pumilio and Fem-3 mRNA-binding factor family of proteins, which are characterized by tandem 36 amino acid pumilio homolog domains and which function in diverse biological processes. This protein belongs to a group of atypical Pumilio and Fem-3 mRNA-binding factor proteins, whose members are distinguished from other Pumilio and Fem-3 mRNA-binding factor proteins by a novel protein fold with 11 pumilio homolog domains and an ability to bind to DNA and single- and double-stranded RNA without sequence specificity. In mouse, lower levels of gene expression have been correlated with increased testicular germ cell tumors. A pseudogene of this gene is found on chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).