

Product datasheet for **TL517023V**

Nlrp10 Mouse shRNA Lentiviral Particle (Locus ID 244202)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Nlrp10 Mouse shRNA Lentiviral Particle (Locus ID 244202)
Locus ID:	244202
Synonyms:	6430548I20Rik; Nalp10; Napl10; PAN5; Pynod
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Nlrp10 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	BC113194 , BC113801 , NM_175532 , NM_175532.1 , NM_175532.2 , NM_175532.3
UniProt ID:	Q8CCN1
Summary:	Inhibits autoprocessing of CASP1, CASP1-dependent IL1B secretion, PYCARD aggregation and PYCARD-mediated apoptosis but not apoptosis induced by FAS or BID (By similarity). Displays anti-inflammatory activity (By similarity). Required for immunity against C.albicans infection (PubMed:23071280). Involved in the innate immune response by contributing to proinflammatory cytokine release in response to invasive bacterial infection (By similarity). Contributes to T-cell-mediated inflammatory responses in the skin (PubMed:27221772). Plays a role in protection against periodontitis through its involvement in induction of IL1A via ERK activation in oral epithelial cells infected with periodontal pathogens (By similarity). Exhibits both ATPase and GTPase activities (By similarity).[UniProtKB/Swiss-Prot Function]
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).