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Product datasheet for TL500725V

Fnbp1 Mouse shRNA Lentiviral Particle (Locus ID 14269)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Fnbp1 Mouse shRNA Lentiviral Particle (Locus ID 14269)
Locus ID:	14269
Synonyms:	1110057E06Rik; 2210010H06Rik; FBP1; Fbp17
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Fnbp1 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC003867, NM_001038700, NM_001177648, NM_001177649, NM_001177650, NM_019406, NM_001355105, NM_001355106, NM_019406.1, NM_019406.2, NM_019406.3, NM_001038700.1, NM_001038700.2, NM_001177648.1, NM_001177649.1, NM_001177650.1
UniProt ID:	Q80TY0
Summary:	Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during the late stage of clathrin-mediated endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also enhances actin polymerization via the recruitment of WASL/N-WASP, which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. May act as a link between RND2 signaling and regulation of the actin cytoskeleton. May be required for the lysosomal retention of FASLG/FASL (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.

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).