PARVG siRNA – Gamma-Parvin Isoform 1 (Mouse)

PRODUCT OVERVIEW

Product Name	PARVG, siRNA
Full Product Name	PARVG siRNA (Mouse)
Product Gene Name	PARVG sirna
Product Synonym Names	Gamma-parvin
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	PARVG siRNA (Mouse) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	37,603 Da
3D Structure	ModBase 3D Structure for Q9ERD8
Negative Control	siRNA Negative Control (Catalog# MBS8241404) is a non-targeting 21 nt siRNA recommended as a negative control for experiments using targeted siRNA transfection.
Quality Control	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid phase extraction. The annealed RNA duplex is further analyzed by mass spectrometry to verify the exact composition of the duplex. Each lot is compared to the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.
Directions for Use	We recommends transfection with 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For each vial, suitable for 250 transfections in 24 well plate (20 pmol for each well).
Components	We offer pre-designed sets of 3 different target-specific siRNA oligo duplexes of mouse PARVG gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes can be transfected individually or pooled together to achieve knockdown of the target gene, which is most commonly assessed by qPCR or western blot. Our siRNA oligos are also chemically modified (2'-OMe) at no extra charge for increased stability and enhanced knockdown in vitro and in vivo.
Applications Tested/Suitable for PARVG sirna	RNA Interference (RNAi)
Related Product Information for PARVG sirna	MBS8215311 is an siRNA targeting PARVG. Also known as PARVG siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit PARVG expression using RNA interference
Other Notes	Small volumes of PARVG sirna vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PARVG. It may not necessarily be applicable to this product.

NCBI GI #	244790018

NCBI GeneID	64099
NCBI Accession #	NP_001155972.1
UniProt Primary Accession #	Q9ERD8
UniProt Secondary Accession #	Q8BH45; Q91X89
UniProt Related Accession #	Q9ERD8
GenBank Nucleotide #	NM_001162500.1
NCBI Official Full Name	gamma-parvin isoform 1
NCBI Official Synonym Full Names	parvin, gamma
NCBI Official Symbol	Parvg
NCBI Official Synonym Symbols	AI413459
UniProt Protein Name	Gamma-parvin
Protein Family	Gamma-parvin
UniProt Gene Name	Parvg
UniProt Entry Name	PARVG_MOUSE
NCBI Protein Information	gamma-parvin
UniProt Comments for PARVG	PARVG: Probably plays a role in the regulation of cell adhesion and cytoskeleton organization. Belongs to the parvin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Cellular Component: cytoskeleton; membrane; cytoplasm; plasma membrane; cell junction Molecular Function: actin binding Biological Process: actin cytoskeleton reorganization; cell adhesion
Research Articles on PARVG	**1.** Mammalian parvins are likely to have arisen late in evolution from gene duplication as they share a remarkably similar exon/intron organization.
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