RAB11FIP5 siRNA – Rab11 Family-Interacting Protein 5 (Human)

PRODUCT OVERVIEW

Product Name	RAB11FIP5, siRNA
Full Product Name	RAB11FIP5 siRNA (Human)
Product Gene Name	RAB11FIP5 sirna
Product Synonym Names	GAF1; KIAA0857; RIP11; Rab11 family-interacting protein 5; Rab11-FIP5; Gamma-SNAP-associated factor 1; Gaf-1; Phosphoprotein pp75; Rab11-interacting protein Rip11
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	RAB11FIP5 siRNA (Human) 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	70,415 Da
OMIM	605536
3D Structure	ModBase 3D Structure for Q9BXF6
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 human RAB11FIP5 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 RAB11FIP5 sirna	RNA Interference (RNAi)
Related Product Information for RAB11FIP5 sirna	MBS8229600 is an siRNA targeting RAB11FIP5. Also known as RAB11FIP5 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit RAB11FIP5 expression using RNA interference
Other Notes	Small volumes of RAB11FIP5 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 RAB11FIP5. It may not necessarily be applicable to this product.

NCBI GI #	24308075
NCBI GeneID	26056
NCBI Accession #	NP_056285.1
UniProt Primary Accession #	Q9BXF6
UniProt Secondary Accession #	O94939; Q9P0M1
UniProt Related Accession #	Q9BXF6
GenBank Nucleotide #	NM_015470.2
NCBI Official Full Name	rab11 family-interacting protein 5
NCBI Official Synonym Full Names	RAB11 family interacting protein 5 (class I)
NCBI Official Symbol	RAB11FIP5
NCBI Official Synonym Symbols	GAF1; pp75; RIP11
UniProt Protein Name	Rab11 family-interacting protein 5
UniProt Synonym Protein Names	Gamma-SNAP-associated factor 1; Gaf-1; Phosphoprotein pp75; Rab11-interacting protein Rip11
Protein Family	Rab11 family-interacting protein
UniProt Gene Name	RAB11FIP5
UniProt Synonym Gene Names	GAF1; KIAA0857; RIP11; Rab11-FIP5; Gaf-1
UniProt Entry Name	RFIP5_HUMAN
NCBI Protein Information	rab11 family-interacting protein 5
UniProt Comments for RAB11FIP5	RAB11FIP5: Rab effector involved in protein trafficking from apical recycling endosomes to the apical plasma membrane. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 2p13 Cellular Component: Golgi membrane; Golgi apparatus; mitochondrial outer membrane; recycling endosome; intracellular membrane-bound organelle; early endosome membrane; recycling endosome membrane; early endosome; microtubule organizing center; secretory granule Molecular Function: gamma-tubulin binding; protein binding; Rab GTPase binding Biological Process: regulated secretory pathway
Research Articles on RAB11FIP5	**1.** FIP5-T276 phosphorylation occurs specifically during metaphase and anaphase.
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