Product datasheet for TR303690

KIF6 Human shRNA Plasmid Kit (Locus ID 221458)

Product data:

Product Type:	shRNA Plasmids
Product Name:	KIF6 Human shRNA Plasmid Kit (Locus ID 221458)
Locus ID:	221458
Synonyms:	C6orf102; dJ137F1.4; dJ188D3.1; dJ1043E3.1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	KIF6 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 221458). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC022074, NM_001289020, NM_001289021, NM_001289024, NM_145027, NM_001351503, NM_001351566, NM_145027.1, NM_145027.2, NM_145027.3, NM_145027.4, NM_001289024.1, NM_001289021.1, NM_001289020.1, BC043552, BC098418, BC117307, BC143444, BC143445, NM_001289021.3, NM_001289020.3, NM_145027.6, NM_001289024.3
UniProt ID:	Q6ZMV9
Summary:	This gene encodes a member of a family of molecular motors which are involved in intracellular transport of protein complexes, membrane organelles, and messenger ribonucleic acid along microtubules. Kinesins function as homodimeric molecules with two N-terminal head domains that move along microtubules and two C-terminal tail domains that interact with the transported cargo, either directly or indirectly, through adapter molecules. This gene is ubiquitously expressed in coronary arteries and other vascular tissue. A naturally occurring mutation in this gene is associated with coronary heart disease. [provided by RefSeq, May 2017]
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).