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Product datasheet for TG515356

Traf6 Mouse shRNA Plasmid (Locus ID 22034)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Traf6 Mouse shRNA Plasmid (Locus ID 22034)
Locus ID:	22034
Synonyms:	2310003F17Rik; AI851288; C630032O20Rik
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Traf6 - Mouse, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 22034). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	BC060705, NM_001303273, NM_009424, NM_009424.1, NM_009424.2, NM_009424.3, NM_001303273.1
UniProt ID:	P70196
Summary:	This gene encodes a member of the TNF receptor associated factor (TRAF) family of adaptor proteins that mediate signaling events from members of the TNF receptor and Toll/IL-1 receptor families to activate transcription factors such as NF-kappa-B and AP-1. The product of this gene is essential for perinatal and postnatal survival. Mice deficient in this protein exhibit osteopetrosis and defective in development of epidermal appendixes, normal B cell differentiation, lymph node organogenesis, interleukin-1 signaling, lipopolysaccharide signaling and neural tube closure. This protein possesses ubiquitin ligase activity. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]
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).