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Product datasheet for TL300861V

TREM2 Human shRNA Lentiviral Particle (Locus ID 54209)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	TREM2 Human shRNA Lentiviral Particle (Locus ID 54209)
Locus ID:	54209
Synonyms:	PLOSL2; TREM-2; Trem2a; Trem2b; Trem2c
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	TREM2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC032362, NM_001271821, NM_018965, NM_018965.1, NM_018965.2, NM_018965.3, NM_001271821.1, BC032362.1, BC018284, NM_001271821.2, NM_018965.4
UniProt ID:	Q9NZC2
Summary:	This gene encodes a membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The encoded protein functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2012]
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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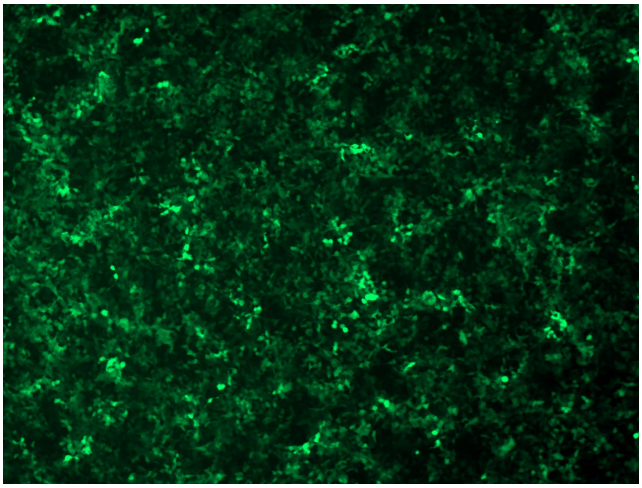
Performance Guaranteed:

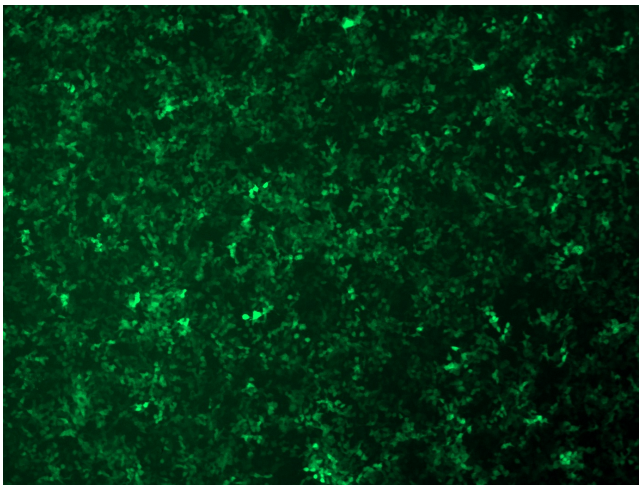
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. 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).

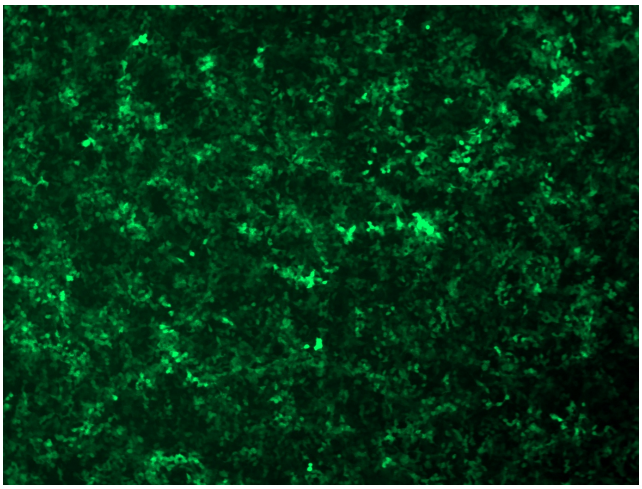
Product images:



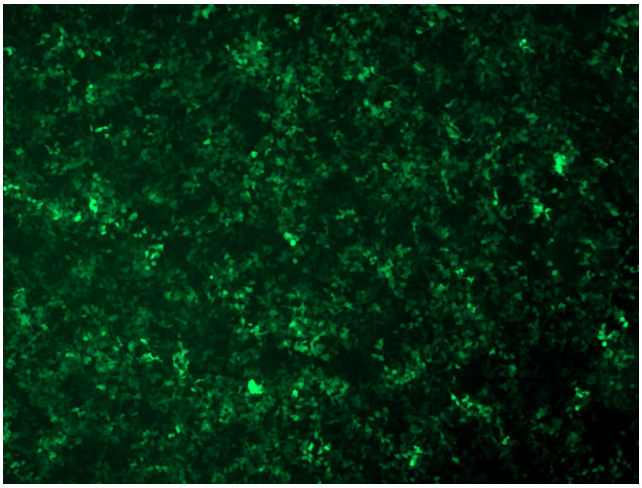
GFP signal was observed under microscope at 48 hours after transduction of TL300861A virus into HEK293 cells. TL300861A virus was prepared using lenti-shRNA TL300861A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL300861B virus into HEK293 cells. TL300861B virus was prepared using lenti-shRNA TL300861B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL300861C] virus into HEK293 cells. [TL300861C] virus was prepared using lenti-shRNA [TL300861C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL300861D] virus into HEK293 cells. [TL300861D] virus was prepared using lenti-shRNA [TL300861D] and [TR30037] packaging kit.