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Product datasheet for TL304682

TMEM185A Human shRNA Plasmid Kit (Locus ID 84548)

Product data:

Product Type:	shRNA Plasmids
Product Name:	TMEM185A Human shRNA Plasmid Kit (Locus ID 84548)
Locus ID:	84548
Synonyms:	CXorf13; ee3; FAM11A; FRAXF
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	TMEM185A - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 84548). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001174092, NM_001282302, NM_032508, NR_104121, NM_032508.1, NM_032508.2, NM_032508.3, NM_001174092.1, NM_001174092.2, NM_001282302.1, BC013793, BC022405, BC103820, BC103821, BC103822, NM_032508.4, NM_001282302.2
UniProt ID:	Q8NFB2
Summary:	The protein encoded by this gene is predicted to be a transmembrane protein. This gene is best known for localizing to the CpG island of the fragile site FRAXF. The 5' untranslated region of this gene contains a CGG trinucleotide repeat sequence that normally consists of 7-40 tandem CGG repeats but which can expand to greater than 300 repeats. Methylation of the CpG island leads to transcriptional silencing of this gene, but neither the silencing nor an expanded repeat region appear to manifest itself in a clear phenotypic manner. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on the X chromosome. [provided by RefSeq, Aug 2013]
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).