

Product datasheet for **TR308178**

ZNF384 Human shRNA Plasmid Kit (Locus ID 171017)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ZNF384 Human shRNA Plasmid Kit (Locus ID 171017)
Locus ID:	171017
Synonyms:	CAGH1; CAGH1A; CIZ; ERDA2; FLJ59043; NMP4; NP; TNRC1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ZNF384 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 171017). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001039916 , NM_001039917 , NM_001039918 , NM_001039919 , NM_001039920 , NM_001135734 , NM_133476 , NM_001039920.1 , NM_001039920.2 , NM_133476.1 , NM_133476.2 , NM_133476.3 , NM_133476.4 , NM_001039917.1 , NM_001039916.1 , NM_001135734.1 , NM_001135734.2 , NM_001039918.1 , BC053361 , BC053361.1 , BM554320 , NM_133476.5
UniProt ID:	Q8TF68
Summary:	This gene encodes a C2H2-type zinc finger protein, which may function as a transcription factor. This gene also contains long CAG trinucleotide repeats that encode consecutive glutamine residues. The protein appears to bind and regulate the promoters of the extracellular matrix genes MMP1, MMP3, MMP7 and COL1A1. Studies in mouse suggest that nuclear matrix transcription factors (NP/NMP4) may be part of a general mechanical pathway that couples cell construction and function during extracellular matrix remodeling. Alternative splicing results in multiple transcript variants. Recurrent rearrangements of this gene with the Ewing's sarcoma gene, EWSR1 on chromosome 22, or with the TAF15 gene on chromosome 17, or with the TCF3 (E2A) gene on chromosome 19, have been observed in acute leukemia. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Apr 2011]



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- 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](#).
- 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).