

Product datasheet for **TR309960**

RAET1G Human shRNA Plasmid Kit (Locus ID 353091)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RAET1G Human shRNA Plasmid Kit (Locus ID 353091)
Locus ID:	353091
Synonyms:	ULBP5
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	RAET1G - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 353091). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001001788 , NR_130110 , NM_001001788.1 , NM_001001788.2 , NM_001001788.3 , BC096719 , BC098152
UniProt ID:	Q6H3X3
Summary:	This gene encodes a member of the major histocompatibility complex (MHC) class I family of proteins. Although the encoded protein includes C-terminal transmembrane and cytoplasmic domains, proteolytic processing results in the removal of these domains and subsequent tethering to the plasma membrane by a glycosylphosphatidylinositol (GPI)-anchor. The encoded protein is one of several related ligands of the natural killer group 2, member D (NKG2D) receptor, which functions as an activating receptor in innate and adaptive immunity. This gene is present in a gene cluster on chromosome 6. [provided by RefSeq, Jul 2015]
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).