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Product datasheet for TR305365

CLEC12A Human shRNA Plasmid Kit (Locus ID 160364)

Product data:

Product Type:	shRNA Plasmids
Product Name:	CLEC12A Human shRNA Plasmid Kit (Locus ID 160364)
Locus ID:	160364
Synonyms:	CD371; CLL-1; CLL1; DCAL-2; MICL
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	CLEC12A - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 160364). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001207010, NM_001300730, NM_138337, NM_201623, NM_201625, NM_201623.1, NM_201623.2, NM_201623.3, NM_138337.1, NM_138337.2, NM_138337.3, NM_138337.4, NM_138337.5, NM_001207010.1, NM_001300730.1, BC126289, BC027967, BC063424, BC126291, NM_001300730.2, NM_001207010.2, NM_201623.4
UniProt ID:	Q5QGZ9
Summary:	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. The protein encoded by this gene is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. This gene is closely linked to other CTL/CTLD superfamily members in the natural killer gene complex region on chromosome 12p13. [provided by RefSeq, May 2011]
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).