

Product datasheet for **TL305283**

COLEC12 Human shRNA Plasmid Kit (Locus ID 81035)

Product data:

Product Type:	shRNA Plasmids
Product Name:	COLEC12 Human shRNA Plasmid Kit (Locus ID 81035)
Locus ID:	81035
Synonyms:	CLP1; CLP1, NSR2, SRCL, SCARA4; collectin placenta 1; collectin sub-family member 12; NSR2; nurse cell scavenger receptor 2; SCARA4; scavenger receptor class A, member 4; scavenger receptor with C-type lectin; SRCL
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	COLEC12 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 81035). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_030781 , NM_130386 , NM_130386.1 , NM_130386.2 , NM_030781.2 , BC060789 , BC060789.1 , NM_130386.3
UniProt ID:	Q5KU26
Summary:	This gene encodes a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. This protein is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein by vascular endothelial cells. [provided by RefSeq, May 2018]
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).