

## Product datasheet for **TR319887**

### LD78 beta (CCL3L1) Human shRNA Plasmid Kit (Locus ID 6349)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	LD78 beta (CCL3L1) Human shRNA Plasmid Kit (Locus ID 6349)
Locus ID:	6349
Synonyms:	464.2; D17S1718; G0S19-2; LD78; LD78-beta(1-70); LD78BETA; MIP1AP; SCYA3L; SCYA3L1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	CCL3L1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 6349). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC027888</a> , <a href="#">NM_021006</a> , <a href="#">NR_111964</a> , <a href="#">NM_021006.1</a> , <a href="#">NM_021006.3</a> , <a href="#">NM_021006.4</a> , <a href="#">NM_021006.5</a> , <a href="#">BC027888.1</a> , <a href="#">BC107710</a> , <a href="#">BC146914</a>
UniProt ID:	<a href="#">P16619</a>
Summary:	This gene is one of several cytokine genes that are clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins that function in inflammatory and immunoregulatory processes. The protein encoded by this gene binds to several chemokine receptors, including chemokine binding protein 2 and chemokine (C-C motif) receptor 5 (CCR5). CCR5 is a co-receptor for HIV, and binding of this protein to CCR5 inhibits HIV entry. The copy number of this gene varies among individuals, where most individuals have one to six copies, and a minority of individuals have zero or more than six copies. There are conflicting reports about copy number variation of this gene and its correlation to disease susceptibility. This record represents one of two copies that are present on the ALT_REF_LOCI_2 alternate haplotype of the GRCh38 human reference genome assembly. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).