

Product datasheet for TL511843

Cd79a Mouse shRNA Plasmid (Locus ID 12518)

Product data:

Product Type: shRNA Plasmids

Product Name: Cd79a Mouse shRNA Plasmid (Locus ID 12518)

Locus ID: 12518

Synonyms: Ig-alpha; Iga; Igalpha; Ly-54; Ly54; mb-1

Vector: pGFP-C-shLenti (TR30023)

E. coli Selection: Chloramphenicol (34 ug/ml)

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: Cd79a - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 12518).

5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.

RefSeq: <u>BC027633</u>, <u>NM 007655</u>, <u>NM 007655.1</u>, <u>NM 007655.2</u>, <u>NM 007655.3</u>, <u>BC027633.1</u>,

NM 007655.4

UniProt ID: P11911

Summary: Required in cooperation with CD79B for initiation of the signal transduction cascade activated

by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to

internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during

development of immature B-cells.[UniProtKB/Swiss-Prot Function]

shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To

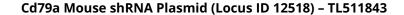
be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our <u>custom shRNA service</u>.



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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).