

## Product datasheet for **TL304826**

### Ephrin A1 (EFNA1) Human shRNA Plasmid Kit (Locus ID 1942)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Ephrin A1 (EFNA1) Human shRNA Plasmid Kit (Locus ID 1942)
Locus ID:	1942
Synonyms:	B61; ECKLG; EFL1; EPLG1; GMAN; LERK-1; LERK1; TNFAIP4
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	EFNA1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 1942). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_004428</a> , <a href="#">NM_182685</a> , <a href="#">NM_004428.1</a> , <a href="#">NM_004428.2</a> , <a href="#">NM_182685.1</a> , <a href="#">BC095432</a> , <a href="#">BC095432.1</a> , <a href="#">BC032698</a> , <a href="#">BC150578</a> , <a href="#">NM_004428.3</a> , <a href="#">NM_182685.2</a>
UniProt ID:	<a href="#">P20827</a>
Summary:	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008]
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).