

Product datasheet for **TL303514**

LMBR1 Human shRNA Plasmid Kit (Locus ID 64327)

Product data:

Product Type:	shRNA Plasmids
Product Name:	LMBR1 Human shRNA Plasmid Kit (Locus ID 64327)
Locus ID:	64327
Synonyms:	ACHP; C7orf2; DIF14; LSS; PPD2; THYP; TPT; ZRS
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	LMBR1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 64327). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<u>NM_022458</u> , <u>NM_001350953</u> , <u>NM_001350954</u> , <u>NM_001350955</u> , <u>NM_001350956</u> , <u>NM_001350957</u> , <u>NM_001350958</u> , <u>NR_146958</u> , <u>NM_022458.1</u> , <u>NM_022458.2</u> , <u>NM_022458.3</u> , <u>BC017663</u> , <u>BC017663.1</u> , <u>BC063649</u> , <u>NM_001363409</u> , <u>NM_001363410</u> , <u>NM_001363411</u> , <u>NM_001363412</u> , <u>NM_001363413</u> , <u>NR_146959</u> , <u>NM_022458.4</u>
UniProt ID:	<u>Q8WVP7</u>
Summary:	This gene encodes a member of the LMBR1-like membrane protein family. Another member of this protein family has been shown to be a lipocalin transmembrane receptor. A highly conserved, cis-acting regulatory module for the sonic hedgehog gene is located within an intron of this gene. Consequently, disruption of this genic region can alter sonic hedgehog expression and affect limb patterning, but it is not known if this gene functions directly in limb development. Mutations and chromosomal deletions and rearrangements in this genic region are associated with acheiropody and preaxial polydactyly, which likely result from altered sonic hedgehog expression. [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 techsupport@origene.com . 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).