

## Product datasheet for **TL302560**

### **PDLIM7 Human shRNA Plasmid Kit (Locus ID 9260)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	PDLIM7 Human shRNA Plasmid Kit (Locus ID 9260)
Locus ID:	9260
Synonyms:	LMP1; LMP3
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	PDLIM7 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 9260). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">BC014521</a> , <a href="#">NM_005451</a> , <a href="#">NM_203352</a> , <a href="#">NM_203353</a> , <a href="#">NM_213636</a> , <a href="#">NR_103804</a> , <a href="#">NM_005451.1</a> , <a href="#">NM_005451.2</a> , <a href="#">NM_005451.3</a> , <a href="#">NM_005451.4</a> , <a href="#">NM_203352.1</a> , <a href="#">NM_203352.2</a> , <a href="#">NM_213636.1</a> , <a href="#">NM_213636.2</a> , <a href="#">BC001093</a> , <a href="#">BC001093.2</a> , <a href="#">BC007648</a> , <a href="#">BC067806</a> , <a href="#">BC084575</a> , <a href="#">NM_005451.5</a> , <a href="#">NM_203352.3</a>
UniProt ID:	<a href="#">Q9NR12</a>
Summary:	The protein encoded by this gene is representative of a family of proteins composed of conserved PDZ and LIM domains. LIM domains are proposed to function in protein-protein recognition in a variety of contexts including gene transcription and development and in cytoskeletal interaction. The LIM domains of this protein bind to protein kinases, whereas the PDZ domain binds to actin filaments. The gene product is involved in the assembly of an actin filament-associated complex essential for transmission of ret/ptc2 mitogenic signaling. The biological function is likely to be that of an adapter, with the PDZ domain localizing the LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Alternative splicing of this gene results in multiple transcript variants. [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).