

Product datasheet for **TL312983**

FHL1 Human shRNA Plasmid Kit (Locus ID 2273)

Product data:

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| Product Type: | shRNA Plasmids |
| Product Name: | FHL1 Human shRNA Plasmid Kit (Locus ID 2273) |
| Locus ID: | 2273 |
| Synonyms: | FCMSU; FHL-1; FHL1A; FHL1B; FLH1A; KYOT; RBMX1A; RBMX1B; SLIM; SLIM-1; SLIM1; SLIMMER; XMPMA |
| Vector: | pGFP-C-shLenti (TR30023) |
| E. coli Selection: | Chloramphenicol (34 ug/ml) |
| Mammalian Cell Selection: | Puromycin |
| Format: | Lentiviral plasmids |
| Components: | FHL1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 2273). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free. |
| RefSeq: | NM_001159699 , NM_001159700 , NM_001159701 , NM_001159702 , NM_001159703 , NM_001159704 , NM_001167819 , NM_001449 , NR_027621 , NM_001330659 , NM_001449.1 , NM_001449.2 , NM_001449.3 , NM_001449.4 , NM_001159703.1 , NM_001159701.1 , NM_001159702.1 , NM_001159702.2 , NM_001159700.1 , NM_001159704.1 , NM_001159699.1 , NM_001167819.1 , BC010998 , BC010998.2 , BC088369 , BM995585 , NM_001369327 , NM_001369329 , NM_001369331 , NM_001369326 , NM_001369328 , NM_001369330 , NM_001159702.3 , NM_001159703.2 , NM_001159701.2 , NM_001159700.2 , NM_001449.5 , NM_001159699.2 |
| UniProt ID: | Q13642 |
| Summary: | This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific mode and these proteins are involved in many cellular processes. Mutations in this gene have been found in patients with Emery-Dreifuss muscular dystrophy. Multiple alternately spliced transcript variants which encode different protein isoforms have been described.[provided by RefSeq, Nov 2009] |



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- 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 [custom shRNA service](#).
- 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).