

Product datasheet for **TL315142**

MARCH2 Human shRNA Plasmid Kit (Locus ID 51257)

Product data:

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| Product Type: | shRNA Plasmids |
| Product Name: | MARCH2 Human shRNA Plasmid Kit (Locus ID 51257) |
| Locus ID: | 51257 |
| Synonyms: | HSPC240; MARCH-II; MARCH2; RNF172 |
| Vector: | pGFP-C-shLenti (TR30023) |
| E. coli Selection: | Chloramphenicol (34 ug/ml) |
| Mammalian Cell Selection: | Puromycin |
| Format: | Lentiviral plasmids |
| Components: | MARCH2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 51257). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free. |
| RefSeq: | NM_001005415 , NM_001005416 , NM_016496 , NM_016496.1 , NM_016496.2 , NM_016496.3 , NM_016496.4 , NM_001005415.1 , NM_001005416.1 , BC032624 , BC032624.1 , BC015910 , BC111388 , NM_001369776 , NM_001369779 , NM_001369777 , NM_001369778 , NR_163145 , NM_001005416.2 |
| UniProt ID: | Q9P0N8 |
| Summary: | MARCH2 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH enzymes add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments. MARCH2 reduces surface accumulation of several glycoproteins and appears to regulate early endosome-to-trans-Golgi network (TGN) trafficking (Bartee et al., 2004 [PubMed 14722266]; Nakamura et al., 2005 [PubMed 15689499]).[supplied by OMIM, Mar 2010] |
| 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 . |

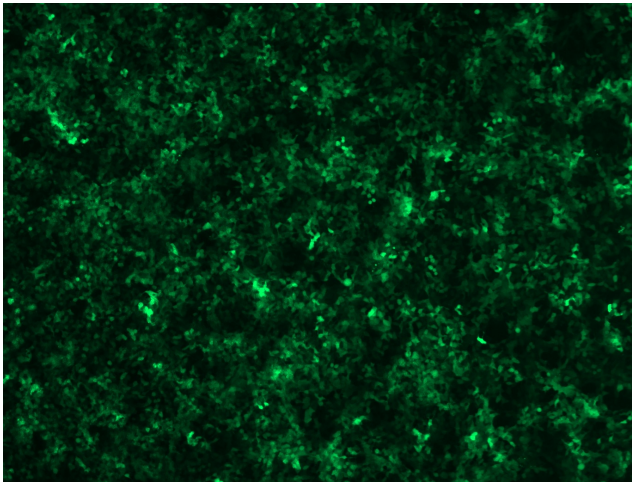


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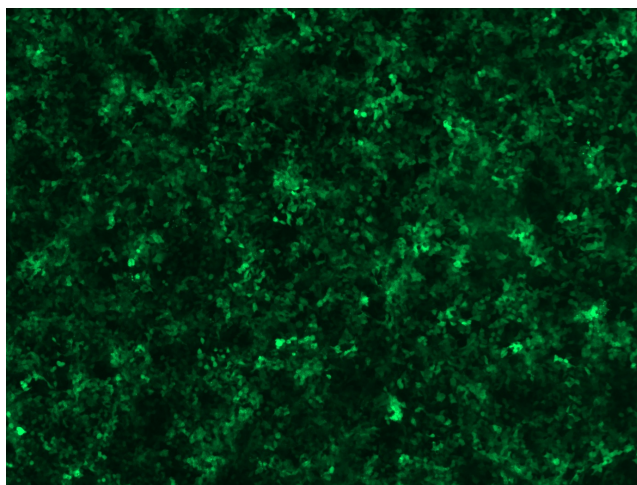
**Performance
Guaranteed:**

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.

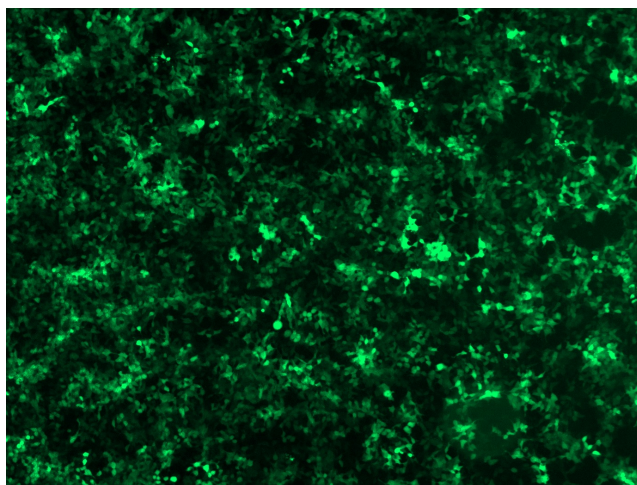
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

Product images:

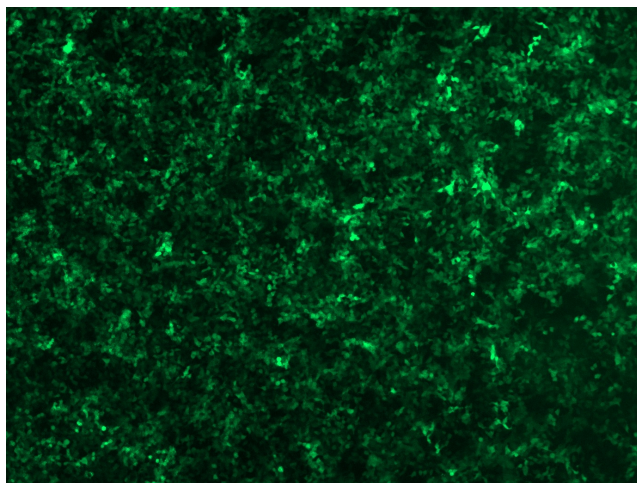
GFP signal was observed under microscope at 48 hours after transduction of TL315142A virus into HEK293 cells. TL315142A virus was prepared using lenti-shRNA TL315142A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL315142B virus into HEK293 cells. TL315142B virus was prepared using lenti-shRNA TL315142B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL315142C] virus into HEK293 cells. [TL315142C] virus was prepared using lenti-shRNA [TL315142C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL315142D] virus into HEK293 cells. [TL315142D] virus was prepared using lenti-shRNA [TL315142D] and [TR30037] packaging kit.