

Product datasheet for **TL311513V**

MEF2C Human shRNA Lentiviral Particle (Locus ID 4208)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	MEF2C Human shRNA Lentiviral Particle (Locus ID 4208)
Locus ID:	4208
Synonyms:	C5DELq14.3; DEL5q14.3
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	MEF2C - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	NM_001131005 , NM_001193347 , NM_001193348 , NM_001193349 , NM_001193350 , NM_001308002 , NM_002397 , NM_002397.1 , NM_002397.2 , NM_002397.3 , NM_002397.4 , NM_001131005.1 , NM_001131005.2 , NM_001193349.1 , NM_001193348.1 , NM_001193350.1 , BC026341 , BC152784 , BC156603 , NM_001363581 , NM_001364332 , NM_001364333 , NM_001364335 , NM_001364337 , NM_001364338 , NM_001364339 , NM_001364340 , NM_001364343 , NM_001364344 , NM_001364346 , NM_001364347 , NM_001364349 , NM_001364353 , NM_001364354 , NM_001364355 , NM_001364329 , NM_001364330 , NM_001364331 , NM_001364334 , NM_001364336 , NM_001364341 , NM_001364342 , NM_001364345 , NM_001364348 , NM_001364350 , NM_001364352 , NM_001364356 , NM_001364357 , NM_001193350.2 , NM_002397.5 , NM_001193349.2
UniProt ID:	Q06413
Summary:	This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe cognitive disability, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 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 .

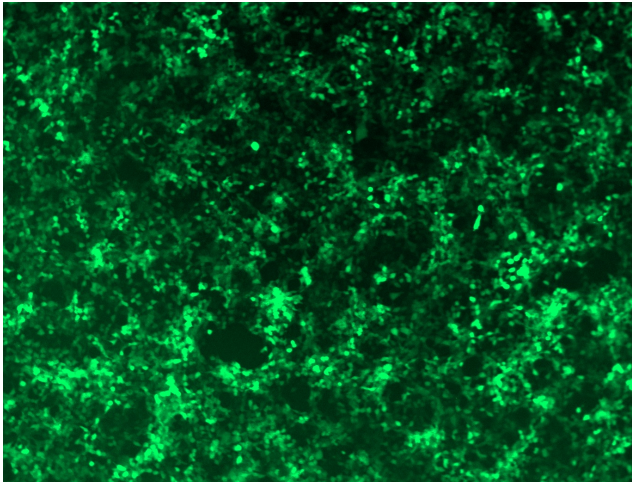


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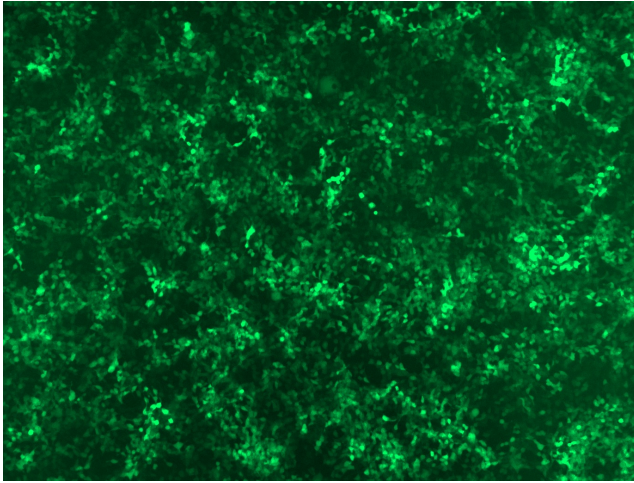
**Performance
Guaranteed:**

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.

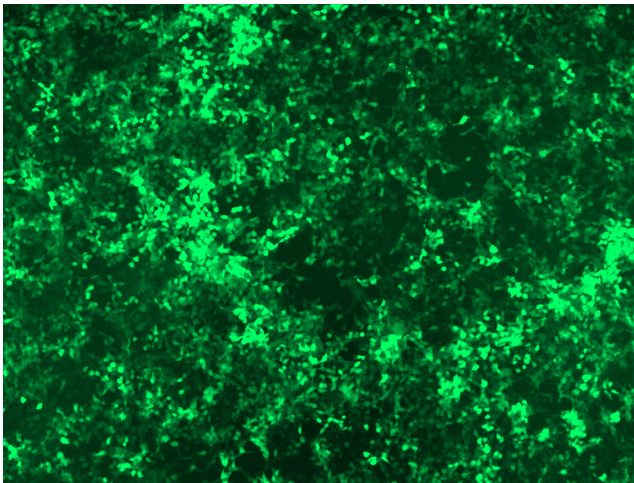
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating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

Product images:

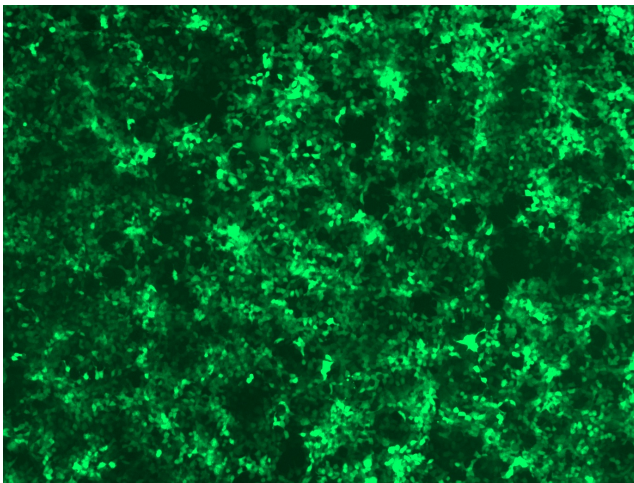
GFP signal was observed under microscope at 48 hours after transduction of TL311513A virus into HEK293 cells. TL311513A virus was prepared using lenti-shRNA TL311513A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL311513B virus into HEK293 cells. TL311513B virus was prepared using lenti-shRNA TL311513B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL311513C] virus into HEK293 cells. [TL311513C] virus was prepared using lenti-shRNA [TL311513C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL311513D] virus into HEK293 cells. [TL311513D] virus was prepared using lenti-shRNA [TL311513D] and [TR30037] packaging kit.