OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TL304812

EHMT2/G9A (EHMT2) Human shRNA Plasmid Kit (Locus ID 10919)

Product data:

Product Type:	shRNA Plasmids
Product Name:	EHMT2/G9A (EHMT2) Human shRNA Plasmid Kit (Locus ID 10919)
Locus ID:	10919
Synonyms:	BAT8; C6orf30; G9A; GAT8; KMT1C; NG36
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	EHMT2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 10919). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001289413, NM_001318833, NM_006709, NM_025256, NM_025256.2, NM_025256.3, NM_025256.4, NM_025256.5, NM_025256.6, NM_006709.1, NM_006709.2, NM_006709.3, NM_006709.4, NM_001289413.1, BC002686, BC009351, BC018718, BC020970, NM_001363689, NM_006709.5
UniProt ID:	Q96KQ7
Summary:	This gene encodes a methyltransferase that methylates lysine residues of histone H3. Methylation of H3 at lysine 9 by this protein results in recruitment of additional epigenetic regulators and repression of transcription. This gene was initially thought to be two different genes, NG36 and G9a, adjacent to each other in the HLA locus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
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.

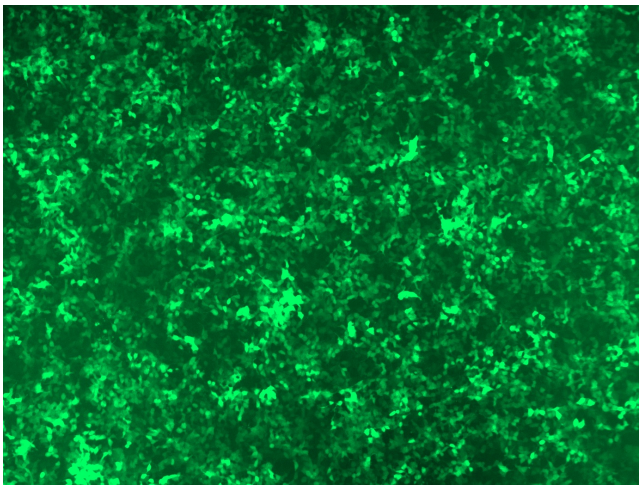
View online »

Performance Guaranteed:

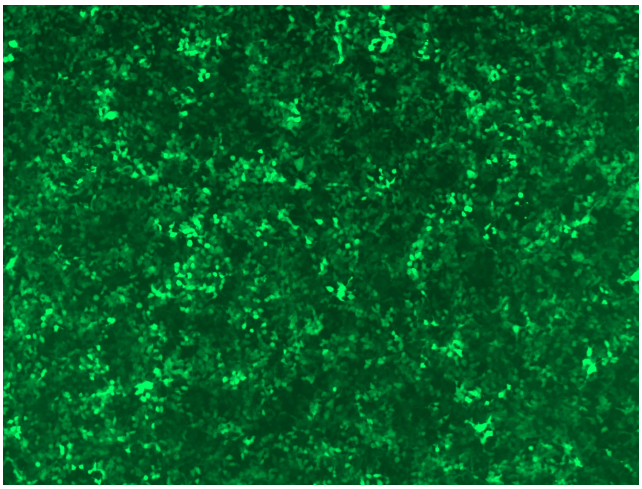
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. 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).

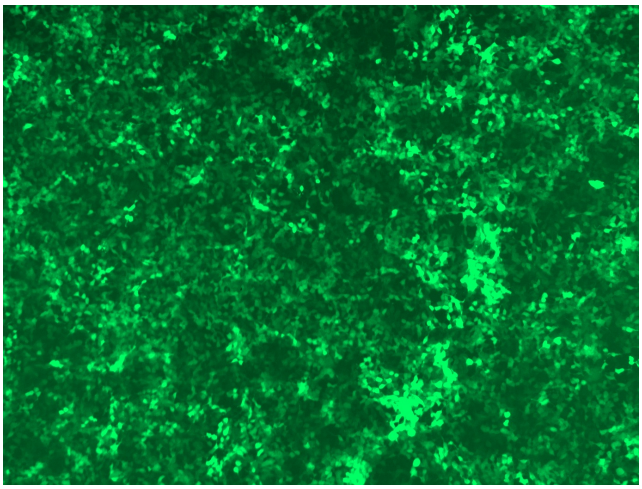
Product images:



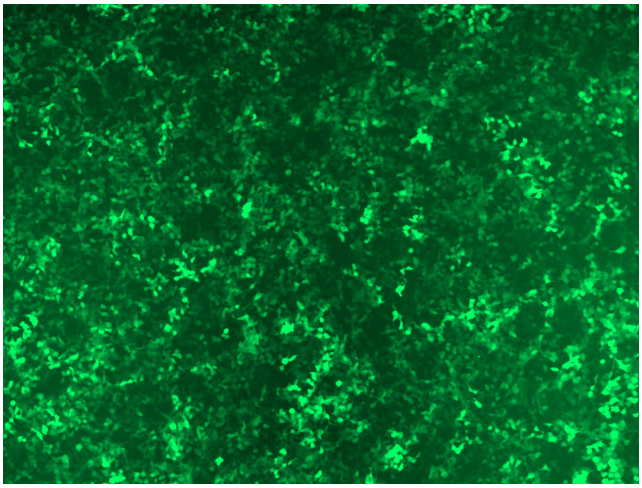
GFP signal was observed under microscope at 48 hours after transduction of TL304812A virus into HEK293 cells. TL304812A virus was prepared using lenti-shRNA TL304812A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL304812B virus into HEK293 cells. TL304812B virus was prepared using lenti-shRNA TL304812B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL304812C] virus into HEK293 cells. [TL304812C] virus was prepared using lenti-shRNA [TL304812C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL304812D] virus into HEK293 cells. [TL304812D] virus was prepared using lenti-shRNA [TL304812D] and [TR30037] packaging kit.