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Product datasheet for TL304816V

EGLN2 Human shRNA Lentiviral Particle (Locus ID 112398)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	EGLN2 Human shRNA Lentiviral Particle (Locus ID 112398)
Locus ID:	112398
Synonyms:	EIT6, PHD1, HIFPH1, DKFZp434E026
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	EGLN2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_017555, NM_053046, NM_080732, NM_053046.1, NM_053046.2, NM_053046.3, NM_080732.1, NM_080732.2, NM_080732.3, NM_017555.1, BC036051, BC001723, NM_053046.4, NM_080732.4
UniProt ID:	Q96KS0
Summary:	The hypoxia inducible factor (HIF) is a transcriptional complex that is involved in oxygen homeostasis. At normal oxygen levels, the alpha subunit of HIF is targeted for degration by prolyl hydroxylation. This gene encodes an enzyme responsible for this post-translational modification. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene. [provided by RefSeq, Feb 2011]
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).