

## Product datasheet for **TG508149**

### Eif5a Mouse shRNA Plasmid (Locus ID 276770)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Eif5a Mouse shRNA Plasmid (Locus ID 276770)
Locus ID:	276770
Synonyms:	AA410058; D19Wsu54; D19Wsu54e; eIF-4D; eIF-5A; eIF-5A-1; eIF-5A1; Eif4d; Eif5a1
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Eif5a - Mouse, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 276770). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	<a href="#">BC003889</a> , <a href="#">BC008093</a> , <a href="#">BC024899</a> , <a href="#">NM_001166589</a> , <a href="#">NM_001166590</a> , <a href="#">NM_001166591</a> , <a href="#">NM_001166592</a> , <a href="#">NM_001166593</a> , <a href="#">NM_001166594</a> , <a href="#">NM_001166595</a> , <a href="#">NM_001166596</a> , <a href="#">NM_181582</a> , <a href="#">NM_181582.1</a> , <a href="#">NM_181582.2</a> , <a href="#">NM_181582.3</a> , <a href="#">NM_181582.4</a> , <a href="#">NM_001166589.1</a> , <a href="#">NM_001166590.1</a> , <a href="#">NM_001166591.1</a> , <a href="#">NM_001166592.1</a> , <a href="#">NM_001166593.1</a> , <a href="#">NM_001166594.1</a> , <a href="#">NM_001166595.1</a> , <a href="#">NM_001166596.1</a>
UniProt ID:	<a href="#">P63242</a>
Summary:	This gene encodes an elongation initiation factor, which participates in protein synthesis. The encoded protein also plays roles in mRNA metabolism, cell proliferation, and cell cycle control. This protein contains a modified lysine residue called hypusine, which appears to be necessary for its function. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 2, 5, and 19. [provided by RefSeq, Oct 2009]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).