

Product datasheet for TL309010

SUMO4 Human shRNA Plasmid Kit (Locus ID 387082)

Product data:

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 Type:shRNA PlasmidsProduct Name:SUMO4 Human shRNA Plasmid Kit (Locus ID 387082)Locus ID:387082Synonyms:dJ281H8.4; IDDM5; SMT3H4; SUMO-4Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)Mammalian CellPuromycinSelection:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). Sµg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:QGEEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kapa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeqshRNA Design:Ries shRNA constructs were designed against multiple splice variants at this gene localization, stability, or activity. The protein described in this record is located in the scytoplasm and specifically modifies Is targeted, please contact techsupport@origene.com which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq subist this polymorphism. [provided by RefSeq, Jul 2008]		
Locus ID:387082Synonyms:dj281H8.4; IDDM5; SMT3H4; SUMO-4Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)Mammalian CellPuromycinSelection:E. coni viral plasmidsFormat:Lentiviral plasmidsComponents:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). Sµg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:QGEEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	Product Type:	shRNA Plasmids
Synonyms:dj281H8.4; IDDM5; SMT3H4; SUMO-4Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)Mammalian Cell Selection:PuromycinFormat:Lentiviral plasmidsComponents:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255.1, BC130305, NM 001002255.2UniProt ID:OGEEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kapapa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeqShRNA 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	Product Name:	SUMO4 Human shRNA Plasmid Kit (Locus ID 387082)
Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)Marmalian CellPuromycinSelection:E. coli Selection:Format:Lentiviral plasmidsComponents:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:QGEEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to protein acontrol the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the LL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	Locus ID:	387082
E. coli Selection:Chloramphenicol (34 ug/ml)Mammalian Cell Selection:PuromycinFormat:Lentiviral plasmidsComponents:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:OGEEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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 <u>techsupport@origene.com</u> .	Synonyms:	dJ281H8.4; IDDM5; SMT3H4; SUMO-4
Mammalian Cell Selection:PuromycinFormat:Lentiviral plasmidsComponents:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:QGEEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	Vector:	pGFP-C-shLenti (TR30023)
Selection:Format:Lentiviral plasmidsComponents:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:Q6EEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	E. coli Selection:	Chloramphenicol (34 ug/ml)
Components:SUMO4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:Q6EEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.		Puromycin
387082). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:NM 001002255, NM 001002255.1, BC130305, NM 001002255.2UniProt ID:Q6EEV6Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	Format:	Lentiviral plasmids
UniProt ID:QGEEVGSummary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	Components:	387082). 5µg purified plasmid DNA per construct
Summary:This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin- related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	RefSeq:	NM 001002255, NM 001002255.1, BC130305, NM 001002255.2
related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism. [provided by RefSeq, Jul 2008]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.	UniProt ID:	<u>Q6EEV6</u>
be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u> .	Summary:	related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B- dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq
	shRNA Design:	be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u> .



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

GRIGENE SUMO4 Human shRNA Plasmid Kit (Locus ID 387082) – TL309010

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US