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 RC209251L2V

SnoN (SKIL) (NM_005414) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SnoN (SKIL) (NM_005414) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SnoN
Synonyms:	SNO; SnoA; Snol; SnoN
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005414
ORF Size:	2052 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209251).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005414.2, NP_005405.1
RefSeq Size:	3111 bp
RefSeq ORF:	2055 bp
Locus ID:	6498
UniProt ID:	P12757
Cytogenetics:	3q26.2
Domains:	Ski_Sno
Protein Families:	Druggable Genome, Transcription Factors

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MW: 76.8 kDa

Gene Summary: The protein encoded by this gene is a component of the SMAD pathway, which regulates cell growth and differentiation through transforming growth factor-beta (TGFB). In the absence of ligand, the encoded protein binds to the promoter region of TGFB-responsive genes and recruits a nuclear repressor complex. TGFB signaling causes SMAD3 to enter the nucleus and degrade this protein, allowing these genes to be activated. Four transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]