

Product datasheet for **RG209251**

SnoN (SKIL) (NM_005414) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SnoN (SKIL) (NM_005414) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SnoN
Synonyms:	SNO; SnoA; SnoI; SnoN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG209251 representing NM_005414
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAACCTCCAGACAAATTTCTCCTTGTTGAGGCTCAACTAAAACTGAATGGGATGGGAGATG
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 TCAGACAGGAACGGGAAGCAAGACAGAAGTTAGAGATGATGATAAAGAGCTAAAGCTGCAAAATCTGAA
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209251 representing NM_005414
 Red=Cloning site Green=Tags(s)

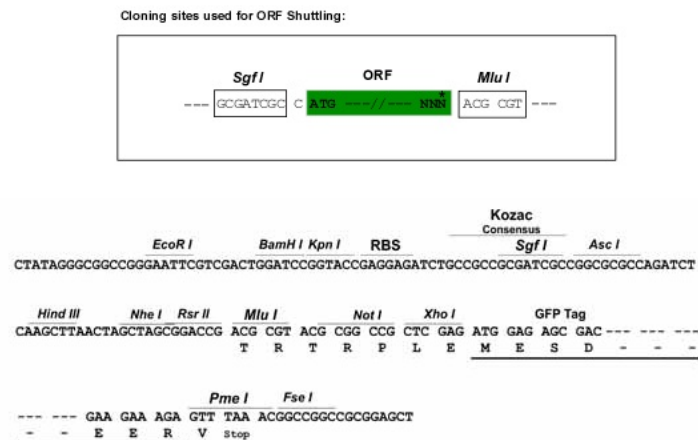
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TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_005414

ORF Size: 2052 bp

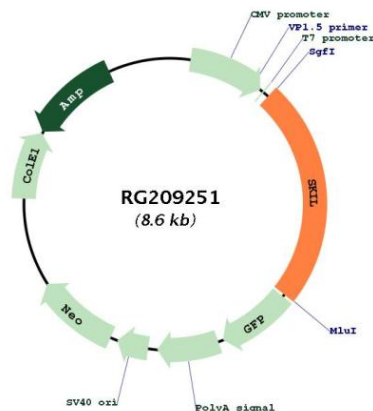
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_005414.2, NP_005405.1</u>
RefSeq Size:	3111 bp
RefSeq ORF:	2055 bp
Locus ID:	6498
UniProt ID:	<u>P12757</u>
Cytogenetics:	3q26.2
Domains:	Ski_Sno
Protein Families:	Druggable Genome, Transcription Factors
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]

Product images:



Circular map for RG209251