

Product datasheet for **MG200327**

Snw1 (BC049245) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snw1 (BC049245) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Snw1
Synonyms: 2310008B08Rik; AW048543; NCoA-62; Skiip; SKIP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200327 representing BC049245
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGAGCCAAGTGCTAATATGCCTTGGTTCAAGGGATGAAAGTCACCTGCAAAGATGGCAGTGCCA
 GTGGCACCACTCTGCTGGAAGCCAGGATAAAGACCAACAGATTTGTTCTGATAAGGAGTTTTCTGGATC
 AGACCGCAAACAGAGAGGCCGAGAAGGACCAAGTGCAGTTTGAGGAGGATCCTTTTGGTTGGACAAGTTT
 TTGGAAGAAGCCAAACAGCACGGTGTCTAAAAGACCCTCTGATAGCAGTCGCCCAAGGAACATGAGC
 ATGAAGGCAAGAAGCGGAGGAAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200327 representing BC049245
 Red=Cloning site Green=Tags(s)

MLEPSANMPWFKGWKVTCKDGSASGTTLEARIKTNRFVPDKEFSGSDRKQREGPVQFEEDPFGLDKF
 LEEAKQHGGSKRPSDSSRPKEHEHEGKKRRKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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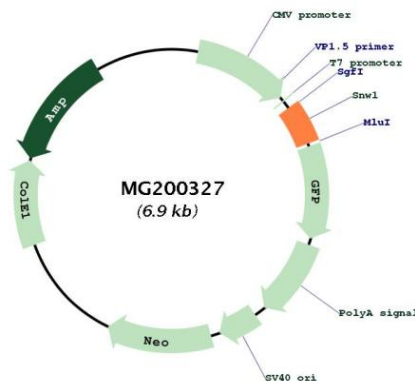
Cloning Scheme:


ACCN:	BC049245
ORF Size:	306 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:	<ol style="list-style-type: none"> 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:	BC049245 , AAH49245

RefSeq Size: 935 bp
 RefSeq ORF: 308 bp
 Locus ID: 66354
 Cytogenetics: 12 D2

Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome. Is required in the specific splicing of CDKN1A pre-mRNA; the function probably involves the recruitment of U2AF2 to the mRNA. Is proposed to recruit PPIL1 to the spliceosome. May be involved in cyclin-D1/CCND1 mRNA stability through the SNARP complex which associates with both the 3'end of the CCND1 gene and its mRNA. Involved in transcriptional regulation. Modulates TGF-beta-mediated transcription via association with SMAD proteins, MYOD1-mediated transcription via association with PABPN1, RB1-mediated transcriptional repression, and retinoid-X receptor (RXR)- and vitamin D receptor (VDR)-dependent gene transcription in a cell line-specific manner probably involving coactivators NCOA1 and GRIP1. Is involved in NOTCH1-mediated transcriptional activation. Binds to multimerized forms of Notch intracellular domain (NICD) and is proposed to recruit transcriptional coactivators such as MAML1 to form an intermediate preactivation complex which associates with DNA-bound CBF-1/RBPJ to form a transcriptional activation complex by releasing SNW1 and redundant NOTCH1 NICD. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200327