

Product datasheet for RR213697

Snai1 (NM_053805) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snai1 (NM_053805) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snai1
Synonyms:	Sna
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213697 representing NM_053805 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGCGCTCCTTCTGGTCAGGAAGCCGTCGACCCCCGCCGAAGCCCAACTATAGCGAGCTGCAGG
ACGCGTGTGTGGAGTTCACCTTCCAGCAGCCCTACGACCAGGCCACCTGCTGGCGGCCATCCCTCCGCC
CGAGGTCTCAACCCCGCGCTTCGCTGCCACCTCATCTGGGACTCTCTCTGGTGCCTCAAGTACAG
CCGGTGGCCTGGGCCACCCTCCCGCTGCGGGAGAGCCCCAGGGCCGAGAGCTGACTTCTCTGTCCGATG
AGGACAGTGGCAAAAGCTCCCAGCCGCCAGCCCGCCCTCGCCGGCGCCGTCGTCCTTCTTCCACCTC
GGCCTCATCCCTGGAAGCCGAGGCCCTCATTGCCTTCCCGGGCTTGGGCCAACTCCCAAGCAGCTGGCC
AGGCTCTCGGTGGCAAGGACCCCAAGTCCCGGAAGGCCTTCAACTGCAAATATTGTAATAAGGAGTACC
TCAGCCTGGGCGCTCTGAAGATGCACATCCGAAGCCACACGCTGCCTTGGCTCTGCACGACCTGCGGAAA
GGCCTTCTCCAGGCCCTGGCTGCTCCAGGGCCACGTCGCACCCACACTGGTGAAGCCCTTCTCTCTGC
TCCCACTGCAACCGTGCCTTGGCGACCGCTCCAACCTACGTGCCACCTCCAGACCCACTCGGATGTGA
AGAGATACCAAGTGTAGGCCTGCGCCGAACCTTCTCCGAATGTCCTTGGCTCCACAAACACCAAGAGTC
TGGCTGCTCCGAGGCCCTCGC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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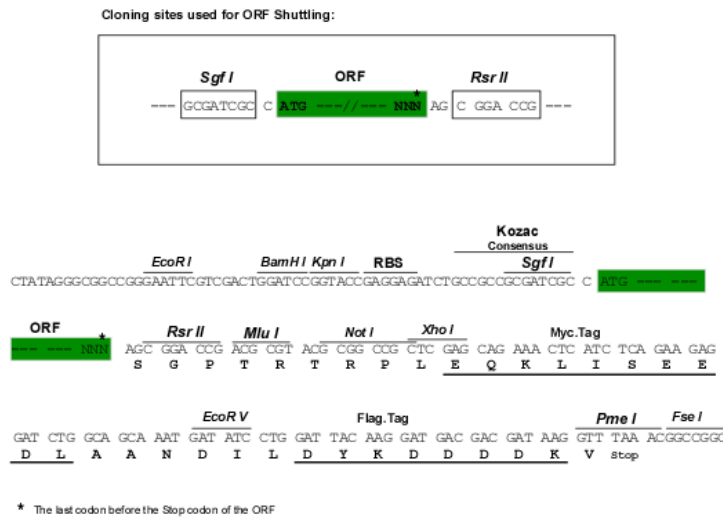
Protein Sequence: >RR213697 representing NM_053805
 Red=Cloning site Green=Tags(s)

MPRSFLVRKPSDPRRKPNYSELQDACVEFTFQQPYDQAHLLAAIPPEVLNPAASLPTLIWDSLLVPQVQ
 PVAWATLPLRESPRAAELTSLDEDSGKSSQPPSPSPAPSSFSTSSASLEAEAFIAFPGLGQLPKQLA
 RLSVAKDPQSRKAFNCKYCNKEYLSLGALKMHIRSHTLPCVCTTCGKAFSRPWLLQGHVRTHTGEKPFSC
 SHCNRAFADRSNLRHLQTHSDVKRYQCQACARTFSRMSLLHKHQESGCSGGPR

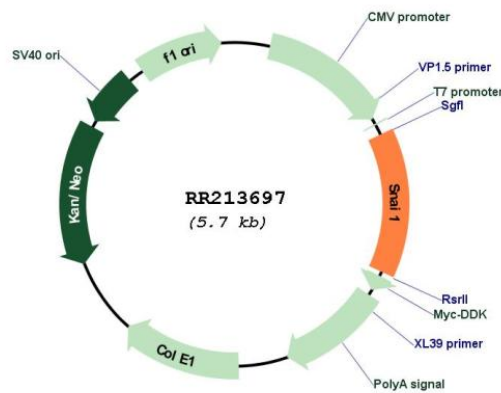
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_053805
ORF Size: 792 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.
RefSeq:	NM_053805.1 , NP_446257.1
RefSeq Size:	1623 bp
RefSeq ORF:	795 bp
Locus ID:	116490
Cytogenetics:	3q42
MW:	29.1 kDa
Gene Summary:	mouse homolog regulates cell cycle progression and may play a role in epithelial-mesenchymal transitions [RGD, Feb 2006]