

## Product datasheet for **RC204581**

### **SNAIL (SNAI1) (NM\_005985) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNAIL (SNAI1) (NM_005985) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNAI1
Synonyms:	dj710H13.1; SLUGH2; SNA; SNAH; SNAIL; SNAIL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC204581 representing NM_005985 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCGCGCTCTTTCCTCGTCAGGAAGCCCTCCGACCCAATCGGAAGCCTAACTACAGCGAGCTGCAGG  
ACTCTAATCCAGAGTTTACCTTCCAGCAGCCCTACGACCAGGCCACCTGCTGGCAGCCATCCCACCTCC  
GGAGATCCTCAACCCACCGCCTCGCTGCCAATGCTCATCTGGGACTCTGTCTGGCGCCCAAGCCCAG  
CCAATTGCCTGGGCTCCCTTCGGCTCCAGGAGAGTCCCAGGGTGGCAGAGCTGACTCCCTGTCAGATG  
AGGACAGTGGGAAAGGCTCCAGCCCCCAGCCCACCCTCACCGGCTCCTTCGTCCTTCTCTACTTTC  
AGTCTCTTCTTGGAGGCCGAGGCCTATGCTGCCTTCCAGGCTTGGCCAAGTGCCCAAGCAGCTGGCC  
CAGCTCTCTGAGGCCAAGGATCTCCAGGCTCGAAAGGCCTTCAACTGCAAATACTGCAACAAGGAATACC  
TCAGCCTGGGTGCCCTCAAGATGCACATCCGAAGCCACACGCTGCCCTGCGTCTGCGGAACCTGCGGGAA  
GGCCTTCTTAGGCCCTGGCTGCTACAAGGCCATGTCCGGACCCACACTGGCGAGAAGCCCTTCTCTGT  
CCCCACTGCAGCCGTGCCTTCGCTGACCGCTCCAACCTGCGGGCCACCTCCAGACCCACTCAGATGTCA  
AGAAGTACCAGTGCCAGGCGTGTGCTCGGACCTTCTCCGAATGTCCCTGCTCCACAAGCACCAAGAGTC  
CGGCTGCTCAGGATGTCCCCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC204581 representing NM\_005985  
 Red=Cloning site Green=Tags(s)

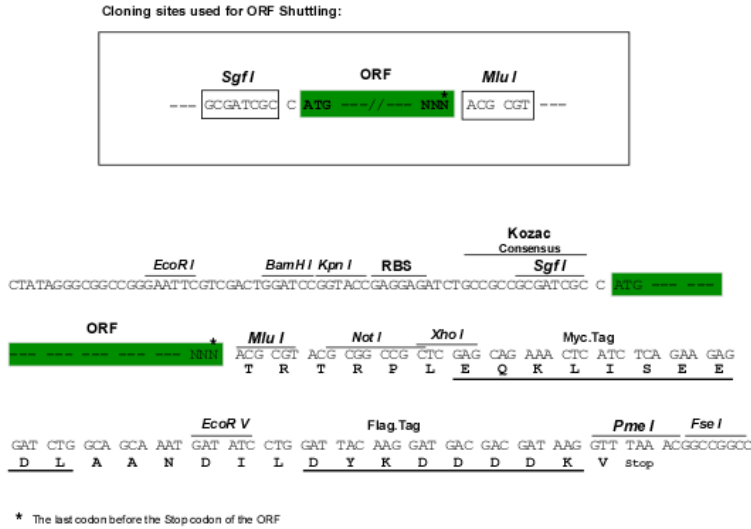
MPRSFLVRKPSDPNRPKNYSELQDSNPEFTFQQPYDQAHLAAIPPEILNPTASLPMLIWDSVLAPQAQ  
 PIAWASLRLQESPRVAELTSLDEDSGKGSQPPSPSPAPSSFSTSVSSLEAEAYAAFPLGQVPKQLA  
 QLSEAKDLQARKAFNCKYCNKEYLSLGALKMHIRSHTLPCVCGTCGKAFSRPWLQGHVTRHTTGEKPFSC  
 PHCSRAFADRSNLRHLQTHSDVKKYQCQACARTFSRMSLLLHKHQESGCSGCPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

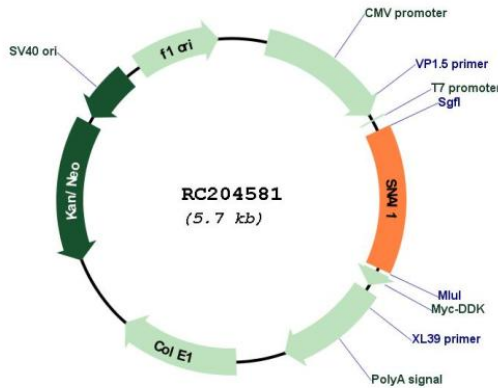
Chromatograms: [https://cdn.origene.com/chromatograms/mg2579\\_g07.zip](https://cdn.origene.com/chromatograms/mg2579_g07.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



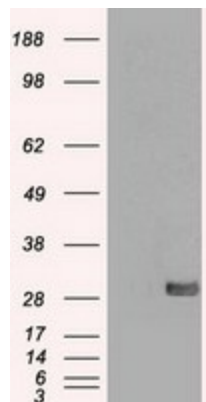
Plasmid Map:



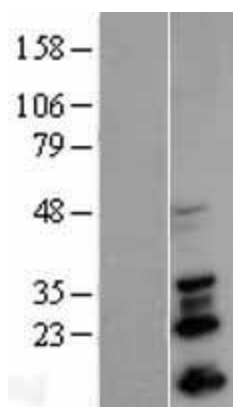
ACCN: NM\_005985

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. <a href="#">More info</a>
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:	<a href="#">NM_005985.4</a>
RefSeq Size:	1708 bp
RefSeq ORF:	795 bp
Locus ID:	6615
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction
MW:	28.9 kDa
Gene Summary:	The Drosophila embryonic protein snail is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. The nuclear protein encoded by this gene is structurally similar to the Drosophila snail protein, and is also thought to be critical for mesoderm formation in the developing embryo. At least two variants of a similar processed pseudogene have been found on chromosome 2. [provided by RefSeq, Jul 2008]

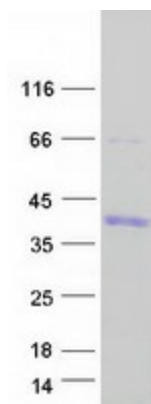
### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SNAI1 (Cat# RC204581, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNAI1 (Cat# [TA500366]). Positive lysates [LY401811] (100ug) and [LC401811] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY401811]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204581 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNAI1 protein (Cat# [TP304581]). The protein was produced from HEK293T cells transfected with SNAI1 cDNA clone (Cat# RC204581) using MegaTran 2.0 (Cat# [TT210002]).