

## Product datasheet for **RG204581**

### 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:	TurboGFP
Symbol:	SNAIL
Synonyms:	dj710H13.1; SLUGH2; SNA; SNAH; SNAIL; SNAIL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204581 representing NM_005985 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGCTCTTTCCTCGTCAGGAAGCCCTCCGACCCCAATCGGAAGCCTAACTACAGCGAGCTGCAGG  
ACTCTAATCCAGAGTTTACCTTCCAGCAGCCCTACGACCAGGCCACCTGCTGGCAGCCATCCCACCTCC  
GGAGATCCTCAACCCACCGCTCGTGCCAATGCTCATCTGGGACTCTGTCTGGCGCCCAAGCCAG  
CCAATTGCCTGGCCTCCCTTCGGCTCCAGGAGTCCCAGGGTGGCAGAGCTGACCTCCCTGTCAGATG  
AGGACAGTGGGAAAGGCTCCAGCCCCAGCCACCCTCACCGCTCCTTCGTCCTTCTCCTCTACTTC  
AGTCTCTTCTTGAGGCGGAGGCTATGCTGCCTTCCAGGCTTGGGCCAAGTGCCCAAGCAGCTGGCC  
CAGCTCTCTGAGGCCAAGGATCTCCAGGCTCGAAAGGCCCTTCAACTGCAAATACTGCAACAAGGAATACC  
TCAGCCTGGGTGCCCTCAAGATGCACATCCGAAGCCACACGCTGCCCTGCGTCTGCGGAACCTGCGGGAA  
GGCCTTCTTAGGCCCTGGCTGCTACAAGGCCATGTCCGACCCACACTGGCGAGAAGCCCTTCTCCTGT  
CCCCACTGCAGCCGTGCCTTCGCTGACCGCTCAAACCTGCGGGCCACCTCCAGACCCACTCAGATGTCA  
AGAAGTACCAGTCCAGGCGTGTGCTCGGACCTTCTCCGAATGTCCCTGCTCCACAAGCACCAAGATC  
CGGCTGCTCAGGATGTCCCCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG204581 representing NM\_005985  
 Red=Cloning site Green=Tags(s)

MPRSFLVRKPSDPNRKPNYSELQDSNPEFTFQQPYDQAHLAAIPPPEILNPTASLPLMIWDSVLAPQAQ  
 PIAWASLRLQESPRVAELTSLSEDESGKGSQPPSPSPAPSSFSTSVSSLEAEAYAAFPLGQVPKQLA  
 QLSEAKDLQARKAFNCKYCNKEYLSLGALKMHIRSHLPCVCGTCGKAFSRPWLQGHVTRHTGEKPFSC  
 PHCSRAFADRSNLRHLQTHSDVKKYQCQACARTFSRMSLLHKHQESGCSGCPR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005985

**ORF Size:** 792 bp

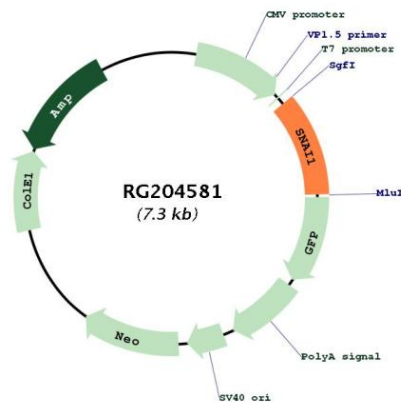
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_005985.4</a>
<b>RefSeq Size:</b>	1708 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	6615
<b>UniProt ID:</b>	<a href="#">O95863</a>
<b>Cytogenetics:</b>	20q13.13
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Adherens junction
<b>Gene Summary:</b>	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:



Circular map for RG204581