

Product datasheet for **SC122733**

SNAIL (SNAI1) (NM_005985) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAIL (SNAI1) (NM_005985) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNAIL
Synonyms:	dj710H13.1; SLUGH2; SNA; SNAH; SNAIL; SNAIL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005985 edited
 GGCTAGCGAGTGGTTCTTCTGCGCTACTGCTGCGGAATCGGCGACCCAGTGCCTCGA
 CCACTATGCCGCTCTTTCCTCGTCAGGAAGCCCTCCGACCCCAATCGGAAGCCTAACT
 ACAGCGAGCTGCAGGACTCTAATCCAGAGTTTACCTTCCAGCAGCCCTACGACCAGGCC
 ACCTGTGGCAGCCATCCCACCTCCGGAGATCCTCAACCCACCGCTCGCTGCCAATGC
 TCATCTGGGACTGTCTGCGGCCCAAGCCAGCCAATTGCCCTGGGCCTCCCTTCGGC
 TCCAGGAGAGTCCCAGGGTGGCAGAGCTGACCTCCCTGTGAGTGCAGTGCAGGACAGTGGGAAAG
 GCTCCCAGCCCCCAGCCACCCCTCACCAGCTCCTTCGTCTTCTCCTCTACTTCAGTCT
 TTTCTTGGAGCCGAGGCTATGCTGCCTTCCAGGCTTGGGCCAAGTGCCCAAGCAGC
 TGGCCAGCTCTGTGAGGCCAAGGATCTCCAGGCTCGAAAGGCCCTCAACTGCAAATACT
 GCAACAAGGAATACCTCAGCCTGGGTGCCCTCAAGATGCACATCCGAAGCCACACGCTGC
 CCTGCGTCTGCGGAACCTGCGGGAAGGCCTTCTTAGGCCCTGGCTGCTACAAGGCCATG
 TCCGACCCACACTGGCGAGAAGCCCTTCTCTGTCCCACTGCAGCCGTGCCTTCGCTG
 ACCGCTCAACCTGCGGGCCACCTCCAGACCCACTCAGATGTCAAGAAGTACCAGTGCC
 AGGCGTGTCTCGGACCTTCTCCGAATGTCCCTGCTCCACAAGCACCAAGAGTCCGGCT
 GCTCAGGATGTCCCCGCTGACCCCTCGAGGCTCCCTCTTCTCTCCATACCTGCCCTGCC
 TGACAGCCTTCCCAGCTCCAGCAGGAAGGACCCACATCCTTCTCACTGCCATGGAATT
 CCCTCCTGAGTGGCCACTTCTGGCCACATCAGCCCCACAGGACTTTGATGAAGACCATT
 TTCTGGTTCTGTCTCTGCTGGGCTCTGGAAGAGGCCCTCCCATGGCCATTTCTGTG
 GAGGGAGGGCAGCTGGCCCCAGCCCTGGGGGATTCTGAGTGGCTGTCTGCTGGGT
 TTTTGTATCCAGAGCTGTTTGGATACAGCTGCTTTGAGCTACAGGACAAAGGCTGACAGA
 CTCCTGGGAAGTCCCACCCACTCAGGGGACCCACTCCCTCACACACACCCCCCA
 CAAGGAACCTCAGGCCACCTCCAGAGGTGTGACTAACTATGCAATAATCCACCCCA
 GGTGACGCCCCAGGGCTGCGGAGGCGGTGGCAGACTAGAGTCTGAGATGCCCGAGCCC
 AGGCAGCTATTTACGCTCCTGTTTGGTGGGTGGCACCTGTTTCCCGGCAATTTAACA
 ATGTCTGAAAAGGACTGTGAGTAATGGCTGTCACTTGTGCGGGGCCAAGTGGGGTGT
 CTGGTCTGACCGATGTGTCTCCAGAATACTTGGGGGCCGACAGGTGGCCTGGGAG
 GAAGATGTTTACATTTTAAAGGTACACTGGTATTTATTTCAAACATTTTGTATCAAG
 GAAACGTTTTGTATAGTTATATGTACAGTTTATTGATTTCAATAAAGCAGTTAATTTAT
 ATATTAATAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005985 unedited
 NGTTTCAATTTTGAATACGACTCACTATAGGGCGGGCCGCGATTANATCTGGTACCGG
 TCCGGAATTTCCGGGATATCGTCGACCCACGCGTCCGGGCTAGCGAGTGGTTCTTCTGC
 GCTACTGCTGCGGAATCGGCGACCCAGTGCCTCGACCACTATGCCGCGCTCTTTCCTC
 GTCAGGAAGCCCTCCGACCCCAATCGGAAGCCTAACTACAGCGAGCTGCAGGACTCTAAT
 CCAGAGTTTACCTTCCAGCAGCCCTACGACCCAGGCCACCTGCTGGCAGCCATCCCACCT
 CCGGAGATCCTCAACCCACCGCTCGCTGCAAATGCTCATCTGGGACTCTGTCTGGCG
 CCCAAGCCAGCCAATTGCCTGGGCTCCCTTCGGCTCCAGGAGTCCCAGGGTGGCA
 GAGCTGACCTCCCTGTCAGATGAGGACAGTGGGAAAGGCTCCCAGCCCCCAGCCACCC
 TCACCGGCTCCTTCGTCTTCTCCTCTACTTCAGTCTTCTCCTTGGAGCCGAGGCTAT
 GCTGCCTTCCCAGGCTTGGGCCAAGTGCCCAAGCAGCTGGCCAGCTCTCTGAGGCCAAG
 GATCTCCAGGCTCGAAAGCCTTCAACTGCAAATACTGCAACAAGGAATACCTCAGCCTG
 GGTGCCCTCAAGATGCACATCCGAAGCCACACGCTGCCCTGCGTCTGCGGAACCTGCGGG
 AAGGCCTTCTTAGGCCCTGGCTGCTACAAGGCCATGTCCGACCCACACTGGCGAGAAG
 CCCTTCTCCTGTCCCCTGTCAGCCGTGCTTTCGTGACCGCTCAACCTGCGGGCCAC
 CTNACAGCCACTCAGATGTCAAGAGTACCAGTGCCAGGCGTGTGCTCGGACCTCTNCCGA
 TGTCTGCTCACAGCACCAGAGTCCGCTGCTCAGGAGTCCCGA

Restriction Sites: Please inquire
ACCN: NM_005985

Insert Size:	1700 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_005985.2 , NP_005976.2
RefSeq Size:	1708 bp
RefSeq ORF:	795 bp
Locus ID:	6615
UniProt ID:	O95863
Cytogenetics:	20q13.13
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction
Gene Summary:	<p>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]</p>