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Product datasheet for RG213897

SNAI3 (NM_178310) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SNAI3
Synonyms:	SMUC; SNAIL3; Zfp293; ZNF293
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG213897 representing NM_178310
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCGCTCCTTCCTGGTGAAAACGCACTCCAGCCACAGGGTCCCCAACTACCGGCGGCTGGAGACGC
AGAGAGAAATCAATGGTGCCTGCTCTGCCTGTGGGGGGCTGGTGGTGCCCCTCCTCCCCCGAGACAAGGA
GGCCCCTTCTGTGCCCGGTGACCTTCCCCAGCCCTGGGACCGCTCCTCGGCCGTCGCCTGCATCTCCCTG
CCCCTCCTGCCACGGATCGAGGAAGCTCTGGGGGCCTCTGGGCTGGACGCCTTGGAAGTCAGCGAGGTCG
ACCCTCGGGCCAGCCGGGCCGCCATTGTACCCCTCAAAGACAGCCTGAACCACCTCAACCTGCCCCCACT
GCTGGTGCTGCCCACACGGTGGTCCCCGACCTTGGGCCCAGACCGGCACGGGGCTCCGGAAAAACTGCTT
GGGGCTGAGCGGATGCCCCGAGCCCCGGGCGGCTTTGAGTGCTTCCACTGCCACAAACCCTACCACACGC
TGGCCGGGCTGGCCAGGCACCGGCAGCTGCACTGCCACCTGCAGGTGGGGCGTGTCTTCACCTGCAAGTA
CTGCGACAAGGAGTACACCAGCCTGGGTGCCCTCAAGATGCACATCCGCACTCACACGCTGCCCTGCACC
TGCAAGATCTGTGGCAAGGCCTTCTCCAGGCCCTGGTTACTGCAGGGCCATGTCCGCACCCACACAGGGG
AGAAGCCCTATGCCTGCTCGCACTGCAGCAGGGCCTTTGCCGACCGCTCCAACCTTCGGGCCCATCTGCA
AACGCACTCAGACGCCAAGAAGTACCGGTGCCGGCGCTGCACCAAGACCTTCTCCCGCATGTCCCTCCTG
GCGCGGCATGAGGAGTCTGGCTGCTGCCCGGGCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

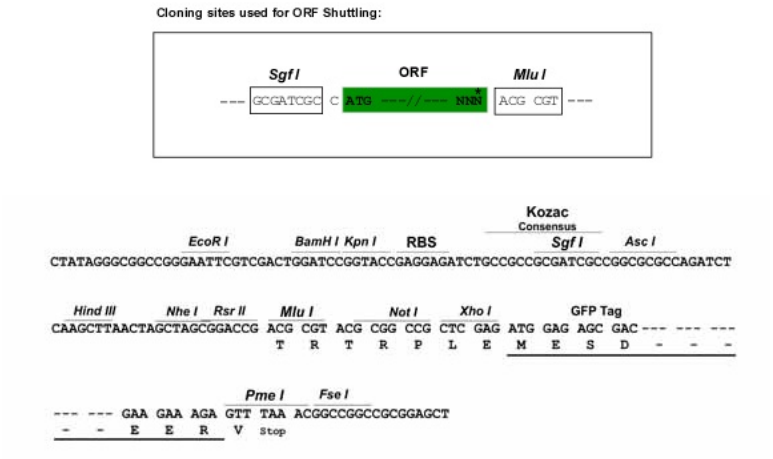
>RG213897 representing NM_178310
Red=Cloning site Green=Tags(s)

MPRSFLVKTHSSHRVPNYRRLETQREINGACSACGGLVVPLLPRDKEAPSVPGDLPQPWDRSSAVACISL
PLLPRIEEALGASGLDALEVSEVDPRASRAAIVPLKDSLNHLNLPPLLVLPTRWSPTLGPDRHGAPEKLL
GAERMPRAPGGFECFHCHKPYHTLAGLARHRQLHCHLQVGRVFTCKYCDKEYTSLGALKMHIRTHTLPCT
CKICGKAFSRPWLLQGHVRTHTGEKPYACSHCSRAFADRSNLRAHLQTHSDAKKYRCRRCTKTFSRMSLL
ARHEESGCCPGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178310

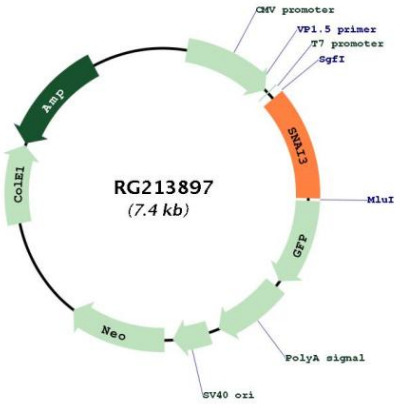
ORF Size: 876 bp

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 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.
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:	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:	NM_178310.4
RefSeq Size:	1630 bp
RefSeq ORF:	879 bp
Locus ID:	333929
UniProt ID:	Q3KNW1
Cytogenetics:	16q24.2
Gene Summary:	SNAI3 is a member of the SNAIL gene family, named for the Drosophila snail gene, which plays roles in mesodermal formation during embryogenesis (Katoh and Katoh, 2003 [PubMed 12579345]).[supplied by OMIM, Apr 2009]

Product images:



Circular map for RG213897