

Product datasheet for **RG234105**

SAMSN1 (NM_001256370) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMSN1 (NM_001256370) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAMSN1
Synonyms:	HACS1; NASH1; SASH2; SH3D6B; SLy2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234105 representing NM_001256370 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGATTAGATTGGATACTCTTTCTGCATCACTGGGTAGATCCAGCACTTTAAATAACTGCAACTTGG
 AAGATAAATTAGCTTGGTATGAAGGTGAAGCTTACATGTGGCATCACTGGAAGCCTTTTCCTGAAAACCC
 TCTCTGGACATGTCTTGATTTCCAAATAGCACAAGTTGGACCCTGGGACCACTGCTCCTCTTGATTTCGC
 CACACACGTCTCAAGTCTTCTGCTCAGATATGGATCTCTACATTATGCGGAAGCAGCAGTCTTTGGGA
 ATTTTCGATCGTTTTCGGAATAATTCTTTATCAAAACCAGATGATTCAACTGAGGCACATGAAGGAGATCC
 CACAAATGGAAGTGGAGAACAAAGTAAACTTCAAATAATGGAGGCGTTTGGGTAAAAAATGAGAGCT
 ATTTTCATGGACAATGAAGAAAAAGTGGGTAAAAAGTACATCAAAAGCCCTTTCTGAGGAAAAAGGATGAGG
 AAGATGGAGAGAAATGCCACCCATATAGAAACAGTGACCTGTGATTGGGACCCACACAGAGAAGGTGTC
 CCTCAAAGCCAGTGACTCCATGGATAGTCTCTACAGTGGACAGAGCTCATCAAGTGGCATAACAAGCTGT
 TCAGATGGTACAAGTAACCGGGACAGCTTTGACTGGATGACGATGGCCCTATTCAGGACCACTTCTGTG
 GCCGTGCCAGAGTGATACGGATTTACGCCAAGTCCCTATGACACTGACTCCCTCAAAATCAAGAAAGG
 AGACATCATAGACATTATTTGAAAAACCAATGGGGATGTGGACAGGAATGTTGAACAATAAAGTGGGA
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 CTCAACACTTTTCTCAATGTTATGAGACTCTAGAAGATTTAAAGATATAAAAGAGAGTCACCTCATT
 GAATTAATATTGAAAACCCAGATGACAGAAGAAGTTACTATCAGCTGCTGAAAACCTCCTTGAAGAAG
 AAATTATTCAAGAGCAAGAAAAATGAACCTGAGCCCTATCCTTGAGCTCAGACATCTCCTAAATAAGTC
 ACAGTTAGATGACTGCCAAGGGACTCTGGTTGCTATATCTCATCAGGAAATTCAGATAATGGCAAAGAG
 GATCTGGAGTCTGAAAATCTGTCTGACATGGTACATAAGATTATTATCACAGAGCCAAGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234105 representing NM_001256370
 Red=Cloning site Green=Tags(s)

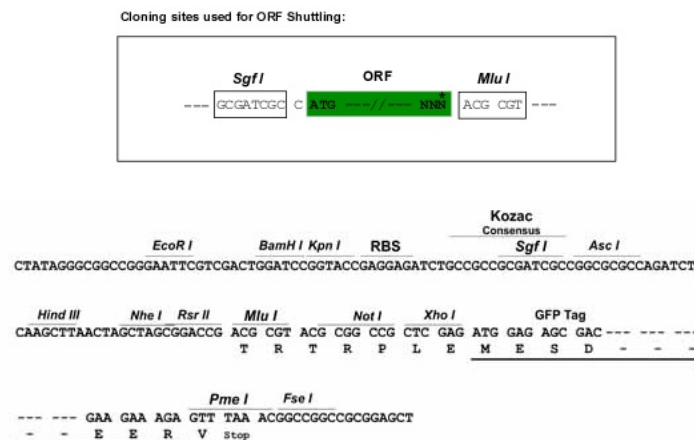
MEIRLDTLSASLGRSSTLNNCNLEDKLAWYEGEAYMWHHWKPPENPLWTCLDFQIAQVGPWDHCSSCIR
 HTRLKSSCSDMDLLHSWRSSSFNFRNNSLSKPDDSTEAEHGDPTNGSGEQSKTSNNGGGLGKKMRA
 ISWTMKKKVGKKYIKALSEEKDEEDGENAHPYRNSDPVIGHTTEKVSLSKASDSMDSLYSGQSSSSGITSC
 SDGTSNRDSFRLDDDPYSGPFCGRARVHTDFTSPYDTSLSKIKKGDIIICKTPMGMWTGMLNNKVG
 NFKFIYVDVISEEEAAPPKIKANRRSNSKSKTLQEFLERIHLQEYTSLLLNGYETLEDLKDIKESHLI
 ELNIENPDDRRRLLSAAENFLEEEIIQEQENEPEPLSLSSDISLNKSQLDDCPRDSGCYISSGNSDNGKE
 DLESENLSDMVHKIITEPSD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256370

ORF Size: 1323 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:

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_001256370.1](#), [NP_001243299.1](#)

RefSeq Size: 2202 bp

RefSeq ORF: 1326 bp

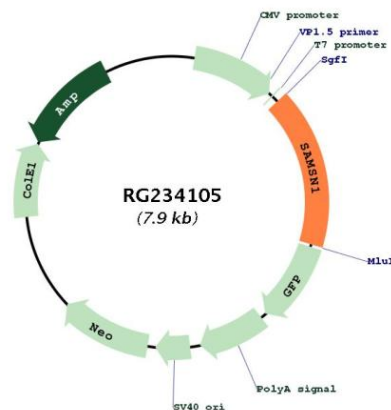
Locus ID: 64092

UniProt ID: [Q9NSI8](#)

Cytogenetics: 21q11.2

Gene Summary: SAMSN1 is a member of a novel gene family of putative adaptors and scaffold proteins containing SH3 and SAM (sterile alpha motif) domains (Claudio et al., 2001 [PubMed 11536050]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG234105