

Product datasheet for **RG203721**

SAMSN1 (NM_022136) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SAMSN1
Synonyms:	HACSI; NASH1; SASH2; SH3D6B; SLy2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203721 representing NM_022136
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCTCAAGAGAAAGCCATCCAATGTTTCAGAGAAGGAGAAACATCAAAACCAAAGCGAAGCAGCAGTT
TTGGGAATTCGATCGTTTTCGGAATAATTCCTTTATCAAAACCAGATGATTCAACTGAGGCACATGAAGG
AGATCCACAAATGGAAGTGGAGAACAAGTAAACTTCAAATAATGGAGGCGGTTTGGGTAAAAAATG
AGAGCTATTTTCATGGACAATGAAGAAAAAGTGGGTAAAAAGTACATCAAGCCCTTTCTGAGGAAAAGG
ATGAGGAAGATGGAGAGAATGCCACCCATATAGAAACAGTGACCCTGTGATTGGGACCCACACAGAGAA
GGTGTCCCTCAAAGCCAGTGACTCCATGGATAGTCTCTACAGTGGACAGAGCTCATCAAGTGGCATAACA
AGCTGTTTCAGATGGTACAAGTAACCGGGACAGCTTTCGACTGGATGACGATGGCCCTATTCAGGACCAT
TCTGTGGCCGTGCCAGAGTGCATACGGATTTACGCCAAGTCCCTATGACACTGACTCCCTCAAAATCAA
GAAAGGAGACATCATAGACATTATTTGCAAAACACCAATGGGGATGTGGACAGGAATGTTGAACAATAAA
GTGGGAAACTTCAAATTCATTTATGTGGATGTCATCTCAGAAGAGGAAGCAGCCCCAAGAAAAATAAGG
CAAACCGAAGGAGTAACAGCAAAAAATCCAAGACTCTGCAGGAGTTCCTAGAGAGGATTATCTGCAGGA
ATACACCTCAACACTTTTGCTCAATGGTTATGAGACTCTAGAAGATTTAAAGATATAAAGAGAGTCAC
CTCATTGAATTAAATATTGAAAACCCAGATGACAGAAGAAGGTTACTATCAGCTGCTGAAAACCTTCCTTG
AAGAAGAAATTATTCAAGAGCAAGAAAAATGAACCTGAGCCCCTATCCTTGAGCTCAGACATCTCCTTAA
TAAGTCACAGTTAGATGACTGCCCAAGGGACTCTGGTTGCTATATCTCATCAGGAAATTCAGATAATGCG
AAAGAGGATCTGGAGTCTGAAAATCTGTCTGACATGGTACATAAGATTATTATCACAGAGCCAAGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG203721 representing NM_022136
Red=Cloning site Green=Tags(s)

MLKRKPSNVSEKEKHQKPKRSSSFGNFDRFRNNSLSKPDDSTEAEHGDPTNGSGEQSKTSNNGGGLGKKM
RAISWTMKKKVGKKYIKALSEEKDEEDGENAHPYRNSDPVIGTHTEKVSLSKASDSMDLSYSGSSSSGIT
SCSDGTSNRDSFRLDDDPYSGPFCGRARVHTDFTSPYDTSLSKIKKGDIIIDICKTPMGMTGMLNNK
VGNFKFIYVDVISEEEAAPPKIKANRRSNSKSKTLQEFLERHLQEYTSLLLNGYETLEDLKDIKESH
LIELNIENPDRRRLLSAENFLEEEIIQEQENEPEPLSLSSDISLNKSQLDDCPRDSGCYISSGNSDNG
KEDLESENLSDMVHKIIITEPSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022136

ORF Size: 1119 bp

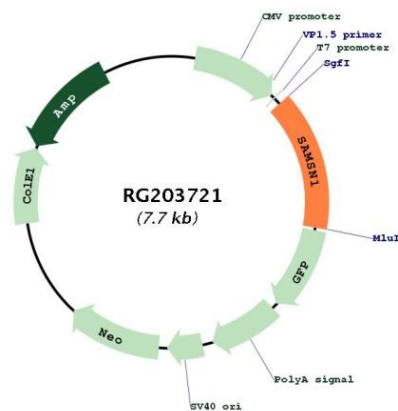
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022136.5</u>
RefSeq Size:	1893 bp
RefSeq ORF:	1122 bp
Locus ID:	64092
UniProt ID:	<u>Q9NSI8</u>
Cytogenetics:	21q11.2
Domains:	SH3, SAM
Gene Summary:	SAMSNI 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 RG203721