

Product datasheet for **RG232076**

SCNM1 (NM_001204856) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCNM1 (NM_001204856) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SCNM1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232076 representing NM_001204856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTCGGGATGGACGCTTTGCTTGCCATCTGCCCCATCGACCGGTAAGTGGACACCCTGGCCATGC
 TGACTGCCACCCTGCAGGCAAGAAACATCTGTCCAGCTTGCAGCTTTTCTATGGCAAGAAGCAGCCGGG
 AAAGGAAAGAAAGCAGAATCCAAACATCAGAATGAATTGAGAAGGGAAGAAACCAAGCTGAGGCTCCT
 CTGCTAACTCAGACACGACTTATCACCCAGAGTGCTCTGCACAGAGCTCCCACTATAACAGTTGCTGCC
 GCCGGAAGTACAGACCAGAAGCCCTGGTCCCTCTGTCTCCCTTCCCTATGCCACCCTCAGAGGTCAA
 ACTCCAAAGTGGGAAGATCAGTAGGGAACCTGAACCTGCGGCTGGCCACAGGCCGAGGAGTCAGCAACT
 GTCTCAGCCCTGCACCCATGAGCCCCACAAGAAGACGAGCCCTGGACCATTATCTCACCTTCGAAGCT
 CTGGATGGATCCCAGATGGACGAGGTCGATGGGTAAGATGAAAATGTTGAGTTTGACTCTGATGAGGA
 GGAACCACCTGATCTCCCTTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232076 representing NM_001204856
 Red=Cloning site Green=Tags(s)

MLRDGRFACAICPHRPVLDLAMLTAHRAGKKHLSSLQLFYGKKQPGKERKQNPKHQNELRREETKAEAP
 LLTQTRLITQSALHRAPHYNSCCRRKYRPEAPGPSVSLSPMPPEVKLQSGKISREPEPAAGPQAEESAT
 VSAPAPMSPTRRRALDHYLTLRSSGWIPDGRGRWVKDENVEFDSDEEPPDLPLD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

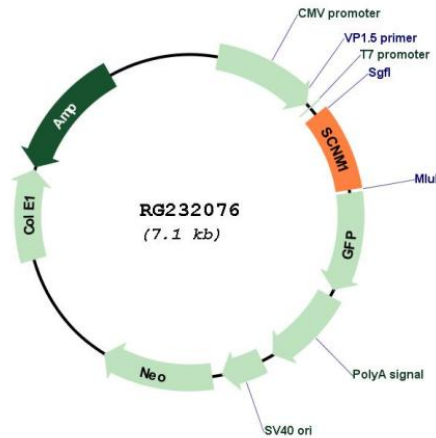


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001204856

ORF Size: 585 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:	<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:	<u>NM_001204856.2</u>
RefSeq Size:	2085 bp
RefSeq ORF:	588 bp
Locus ID:	79005
UniProt ID:	<u>Q9BWG6</u>
Cytogenetics:	1q21.3
Gene Summary:	SCNM1 is a zinc finger protein and putative splicing factor. In mice, Scnm1 modifies phenotypic expression of Scn8a (MIM 600702) mutations (Buchner et al., 2003 [PubMed 12920299]).[supplied by OMIM, Oct 2009]