

Product datasheet for **RC200987**

SCNM1 (NM_024041) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCNM1 (NM_024041) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SCNM1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200987 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTTCAAGAGGGAAGGAGACGATTGGAGTCAACTCAATGTGCTCAAAAAAGAAGAGTCGGGGACC
TCCTAGCCAGTTACATTCAGAGGATGAGGCGCTGATGCTTCGGGATGGACGCTTTGCTTGCCATCTG
CCCCATCGACCGGTACTGGACACCCTGGCCATGCTGACTGCCACCCTGCAGGCAAGAAACATCTGTCC
AGCTTGCAGCTTTTCTATGGCAAGAAGCAGCCGGGAAAGAAAGAAAGCAGAATCCAAAACATCAGAATG
AATTGAAAGGGAAGAAACCAAAGCTGAGGCTCCTCTGCTAACTCAGACACGACTTATCACCCAGAGTGC
TCTGCACAGAGCTCCCCACTATAACAGTTGCTGCCGCGGAAAGTACAGACCAGAAGCCCTGGTCCCTCT
GTCTCCCTTTCCCTATGCCACCCTCAGAGGTCAAAGTCAAAGTGGGAAGATCAGTAGGGAACCTGAAC
CTGCGGCTGGCCACAGGCCGAGGAGTCAGCAACTGTCTCAGCCCTGCACCCATGAGCCCCACAAGAAG
ACGAGCCCTGGACCATTATCTCACCTTCGAAGCTCTGGATGGATCCCAGATGGACGAGGTGCATGGGTA
AAAGATGAAAATGTTGAGTTGACTCTGATGAGGAGGAACCACCTGATCTCCCTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200987 protein sequence
Red=Cloning site Green=Tags(s)

MSFKREGDDWSQLNVLKRRVGDLLASYIPEDEALMLRDGRFACAI CPHRPVLDLAMLTAHRAGKKHLS
SLQLFYGKKQPGKERKQNPKHQNELRREETKAEAPLLTQTRLITQSALHRAPHYNSCCRRKYRPEAPGPS
VSLSPMPPEVKLQSGKISREPEPAAGPQAEESATVSAPAPMSPTRRRALDHYLTLRSSGWIPDGRGRWV
KDENVEFDSDEEPPDLPLD

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**



Chromatograms: https://cdn.origene.com/chromatograms/mk6388_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024041

ORF Size: 690 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_024041.4](#)

RefSeq Size: 2036 bp

RefSeq ORF: 693 bp

Locus ID: 79005

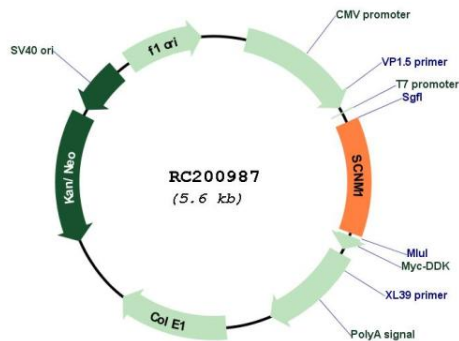
UniProt ID: [Q9BWG6](#)

Cytogenetics: 1q21.3

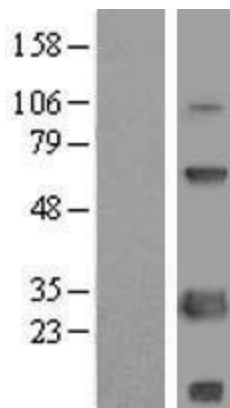
MW: 25.9 kDa

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]

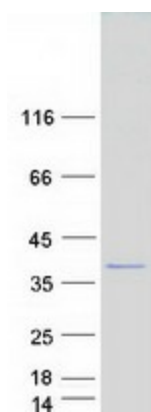
Product images:



Circular map for RC200987



Western blot validation of overexpression lysate (Cat# [LY411417]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200987 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SCNM1 protein (Cat# [TP300987]). The protein was produced from HEK293T cells transfected with SCNM1 cDNA clone (Cat# RC200987) using MegaTran 2.0 (Cat# [TT210002]).