

Product datasheet for **RR203161**

Scnn1b (NM_012648) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1b (NM_012648) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scnn1b
Synonyms:	RNENACB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR203161 representing NM_012648
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGTGAAGAAGTACCTGCTGAAGTGCCTGCACAGGCTGCAGAAGGGCCAGGCTACACCTACAAGG
AGCTGCTAGTGTGGTACTGCAACAACACCAACACACACGCCCCAAACGCATCATCTGCGAGGGGCCAA
GAAGAAGGCCATGTGGTTCCTGCTCACGCTGCTCTTCGCCTGCCTGGTGTGCTGGCAGTGGGGCGTCTTC
ATCCAGACCTACCTGAGCTGGGAGGTCAGCGTCTCGCTCTCCATGGGCTTCAAGACCATGAACTCCAG
CAGTCACCGTCTGCAATTCAGCCCCCTCCAGTACTCCAAGGTAAGCACTTGTGAAGGACTTGTACAA
GCTGATGGAGGCTGTCTGGACAAGATTCTGGCTCCGAAGTCCAGCCACACCAACACCACAGTACCCTG
AACTTTACCATCTGGAACCACACGCCCTGGTCTTATTGATGAGCGGAACCTGACCATCCAGTGGTCC
TCAACTTGTGGGGACAGCCACAACAGCAGCAACCCAGCCCCAGGAAGCACCTGTAATGCCAAGGGTG
CAAAGTGGCCATGAGGCTGTGCACTGCCAATGGGACCGTGTGTACCTCCGAAACTTCACCAGTCCACC
CAGGCCGTGACTGAGTGGTACATCTGCAGGCCACCAACATCTTCTCACAAGTGTCCCCCAGGACCTGG
TGGGGATGGGCTATGCTCCTGATCGCATAATCCTAGCCTGTCTGTTTGAACGGAGCCCTGCAGTCATCG
GAACTTCACACCTATCTTCTACCCTGATTATGGCAACTGTACATCTTCAACTGGGGCATGACAGAGAAG
GCATCTCCTTCTGCCAACCTGGGACTGAATTTGGTCTCAAGTTGATCCTGGACATTGGTCCAGGAGGACT
ATGTCCCCTTCTTGGTCCACAGCAGGGGCTAGGCTGATGCTCCACGAGCAGAGGACATACCCCTTCAT
TAGAGAAGAGGGCATCTATGCCATGGCAGGAAGTGAAGTCTTATTGGGGTGTGCTGGACAAGCTGCAG
GGCAAGGGGGAGCCATACAGTCCCTGCACCATGAACGGCTCCGACGTTGCCATTCAGAACCTCTACAGTG
ACTACAACACGACCTATTCCATCCAGGCTGCCTTATTCTGTTTCCAAGACCACATGATCCATAACTG
CAGCTGTGGTCACTACTTGTACCTTTGCCTGCTGGGGAGAAATACTGCAACAACAGAGACTTCCCAGAC
TGGGCCTACTGCTACCTAAGCCTACAGATGAGTGTGGTCCAGAGAGAGACCTGCCTCAGCATGTGCAAGG
AGTCTGCAACGACACCCAGTATAAGATGACCATCTCCATGGCTGACTGGCCATCCGAGGCCTCTGAGGA
TTGGATCCTACATGCTCTGCTCAGGAGCGGGACCAGAGCTCAAATATCACCTGAGCAGGAAGGGTATT
GTCAAGCTCAATATCTACTTCCAAGAGTTCAACTACCGTACCATCGAGGAATCGCCGGCCAAACAATATCG
TGTGGCTGCTCTAACCTGGTGGCCAGTTGGCTTCTGGATGGGGGGCTCGGTGCTGTGCCTCATTGA
GTTTGGGGAGATCATTATCGACTTCATTTGGATCACTGTCATCAAGCTAGTGGCCTCCTGTAAGGCCTG
CGCAGGAGGGCCACAGCGACCTACTGCCCCGCCCCACTGTGGCCGAGCTGGTGGAGGCCACA
CCAAGTGTCTTCCAGCCTGACACAACAGCTGCAGGCCAATGCCGAGGTCTACCCTGACCAACAGAC
TCTGCCATTCCGGGCACTCCACCTCCCAACTATGACTCCCTGAGGCTGCAGCCGCTGGACACCATGGAG
TCTGACAGCGAGGTGGAGGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203161 representing NM_012648
 Red=Cloning site Green=Tags(s)

MPVKKYLLKCLHRLQKGPYTYKELLVWYCNNTNTHGPKRIICEGPKKKAMWFLLTLLFACLVCWQWGVF
 IQTYLSWEVSVLSMGFKTMNFPVAVTVCNSSPFQYSKVKHLLKDLKYLMEAVLDKILAPKSSHTNTTSTL
 NFTIWNHTPLVLIDERNPDHPVVLNLFGDSHNSNPAPGSTCNAQGCKVAMRLCSANGTVCTFRNFTSAT
 QAVTEWYILQATNIFSQVLPQDLVGMGYAPDRIILACLFGTEPCSHRNFTPIFYPDYGNICYIFNWGMTEK
 ALPSANPGTEFGLKLILDIGQEDYVPFLASTAGARMLHEQRTYPIREEGIYAMAGTETSIGVLLDKLQ
 GKGEYPSPCTMNGSDVAIQNLYSDYNTTYSIQAQLHSCFQDHMIHNCSCGHLYPLPAGEKYCNRRDFPD
 WAYCYLSLQMSVVQRETCLSMCKESCNDTQYKMTISMADWPSEASEDWILHVLQERDQSSNITLSRKGI
 VKLNIYQEFNYRTIEESPANNIVLLSNLGGQGFWMGGSVLCLEIFGEI IIDFIWITVIKLVASCKGL
 RRRRPQRPYTGPPPTVAELVEAHTNCVFPDPTTSCRPNAEVYPDQQLTLPITGPPPNYDSLRLQPLDTME
 SDSEVEAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_012648

ORF Size: 1914 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_012648.1](#), [NP_036780.1](#)

RefSeq Size: 2445 bp

RefSeq ORF: 1917 bp

Locus ID: 24767

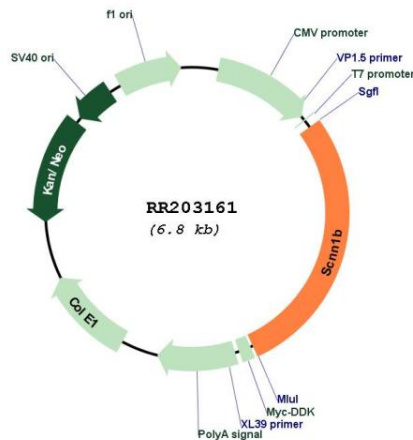
UniProt ID: [P37090](#)

Cytogenetics: 1q36

MW: 72.1 kDa

Gene Summary: acts as an epithelial sodium ion channel; regulates salt and fluid transport in the kidney [RGD, Feb 2006]

Product images:



Circular map for RR203161