

Product datasheet for **RR203461**

Scnn1g (NM_017046) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1g (NM_017046) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scnn1g
Synonyms:	ENaC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR203461 representing NM_017046
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCCTGGAGAGAAGATCAAAGCCAAAATCAAAAAGAATCTGCCGGTTCGAGGCCCCAGGCACCAA
CCATTAAGGACCTGATGCATTGGTACTGCATGAACACCAACACCCACGGGTGCCGCCGATCGTGGTGTC
CCGAGGCCGCTTCGGCCTCTGCTGTGGATCGCGTTCACGCTAACTGCAGTGGCCCTCATTATCTGGCAG
TGCGCCCTCCTCGTCTTCTTTCTACACCGTCTCTGTCTCCATCAAAGTCCACTCCAGAACTGGATT
TCCCTGCCGTCATCTGCAATATCAACCCTTACAAGTACAGTGTGTGAGTGACCTTCTGACTGACTT
GGACAGTGAGACAAAACAGGCCTTGCTGTCTTGTATGGGGTCAAAGAATCTCGGAAACGCCGGGAAGCA
GGATCCATGCCGTCCACCTTGAAGGCACACCACCCAGATTCTTCAAAGTATCCACTGCTGGTCTTCA
ATGAGAATGAGAAAGGAAAGGCCAGGGACTTCTCACTGGCCGGAAGCGGAAAATCAGCGGAAAATCAT
TCACAAAGCTTCTAATGTCATGCACGTTTATGAGTCAAGAAAATGGTGGGATTTCAATTGTCTCAAT
GATACCTCTGACTGCGCCACCTACACCTTCAGCTCAGGAATCAATGCCATCCAGGAGTGGTACAAGCTTC
ACTACATGAATATCATGGCACAGGTGCCTCTAGAGAAGAAAATCAACATGAGCTATTCTGCCGAAGAACT
GCTGGTGACCTGCTTCTTCGATGGGATGTCTGTGATGCCAGGAACTTCACGCTTTTCCACCATCCAATG
TATGGAACTGTACACATTTAACAACAAAGAAAATGCCACCATCCTCAGCACCTCCATGGGAGGCAGTG
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AGCCAAGTGCTTATCCATCAGCAGAATGAATACCCCTTCATCGAAGACGTGGGGATGGAGATCGAGACA
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CAGAGGACGGCAGTGATGTGCCGTCAAAAACATCTACAACGCTGCCTACTCCCTCCAGATCTGCCTTTA
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CAGCAAATAAACAAAAAGCTCAACAAGACTGACCTGGCCAAGCTTTGATATTCTACAAAGACCTGAACC
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CCTGTGGATGAGCTGTTCACTGCTGTGTGATGAAATCATTGAAGTCTTCTTATTGACTTCTTCTCT
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AGACTCCCTCCAGCCGGCAAGGCCAGGATAATCCAGCTCTGGATACGGACGATGACCTGCCCACTTTTAC
CTCTGCTATGCGCCTGCCTCCAGCCCGGGTCCACGGTGCCTGGCACACCACCTCCAGATAACAATACC
TTGCGCTTGGATAGAGCCTTTTCATCCCAGCTCACAGACACTCAGTTGACCAATGAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203461 representing NM_017046
 Red=Cloning site Green=Tags(s)

MAPGEKIKAKIKKNLPVRGPQAPTIKDLMHWYCMNTNTHGCRRIVVSRGRLRPLLWIAFTLTAVALIIWQ
 CALLVFSFYTVSVSIKVFQKLDPAVTICNINPYKYSVSDLLTDLSETKQALLSLYGKESRKRREA
 GSMPSTLEGTPPRFFKLIPLLVFNENEKGKARDFFTGRKRKISGKIIHKASNMHVHESKKLVGFQCSN
 DTSDCATYTFSSGINAIQEWYKLYHMNIMAQVPLEKKINMSYSAEELLVTCFFDGMSCDARNFTLFHHPM
 YGNCYTFNNKENATILSTSMGGSEYGLQVILYINEDEYNPFLVSTGAKVLIHQNEYPFIEDVGMEIET
 AMSTSIGMHLTESFKLSEPYSQCTEDGSDVPVTNIYNAAYSLQICLYSCFQTKMVEKCGCAQYSQPLPPA
 ANYCNYQQHPNMYCYQLYQAFVREELGCQSVCKQSCSFKEWLTTLTSLAQWPSEASEKLLNVLTDWQS
 QQINKLNLKTDLAKLLIFYKDLNQRSIMESPANSIEMLLSNFGGQLGLWMSCSVVCVIEIEIEVFFIDFFS
 IARRQWHKAKDCWARRQTPPSTETPSSRQGDNPALDTPFTSAMRLPPAGSTVPGTPPPRYNT
 LRLDRAFSSQLTDTQLNEL

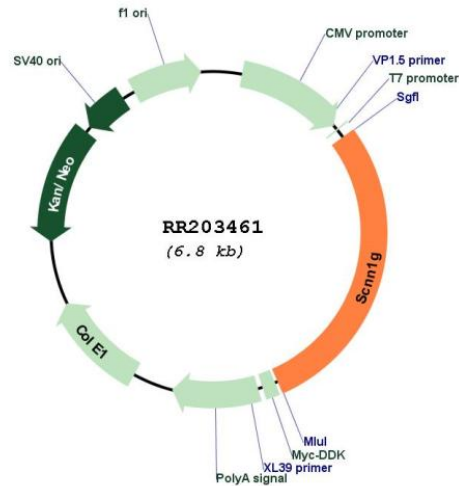
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_017046

ORF Size: 1950 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_017046.1](#), [NP_058742.1](#)

RefSeq Size:	2987 bp
RefSeq ORF:	1953 bp
Locus ID:	24768
UniProt ID:	P37091
Cytogenetics:	1q36
MW:	73.9 kDa
Gene Summary:	acts as an epithelial sodium ion channel; regulates salt and fluid transport in the kidney [RGD, Feb 2006]