

Product datasheet for **RN203461**

Scnn1g (NM_017046) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN203461 representing NM_017046
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCTGGAGAGAAGATCAAAGCCAAAATCAAAAAGAATCTGCCGGTTCGAGGCCCCAGCCACCAA
 CCATTAAGGACCTGATGCATTGGTACTGCATGAACACCAACACCCACGGGTGCCGCCGCATCGTGGTGTC
 CCGAGGCCGCTTCGGCCTCTGCTGTGGATCGCGTTCACGCTAACTGCAGTGGCCCTCATTATCTGGCAG
 TGCGCCCTCCTCGTCTTCTTTCTACACCGTCTCTGTCTCCATCAAAGTCCACTCCAGAACTGGATT
 TCCCTGCCGTCATCTGCAATATCAACCCTTACAAGTACAGTGTGTGAGTGACCTTCTGACTGACTT
 GGACAGTGAGACAAAACAGGCCTTGCTGTCTTGTATGGGGTCAAAGAATCTCGGAAACGCCGGGAAGCA
 GGATCCATGCCGTCCACCTTGAAGGCACACCACCCAGATTCTTCAAAGTATCCACTGCTGGTCTTCA
 ATGAGAATGAGAAAGGAAAGGCCAGGGACTTCTCACTGGCCGGAAGCGGAAAATCAGCGGAAAATCAT
 TCACAAAGCTTCTAATGTCATGCACGTTTATGAGTGAAGAACTGGTGGGATTTCAATTGTCTCAAT
 GATACCTCTGACTGCGCCACCTACACCTTCAGCTCAGGAATCAATGCCATCCAGGAGTGGTACAAGCTTC
 ACTACATGAATATCATGGCACAGGTGCCTCTAGAGAAGAAAATCAACATGAGCTATTCTGCCGAAGAACT
 GCTGGTGACCTGCTTCTTCGATGGGATGTCTGTGATGCCAGGAACTTCACGCTTTTCCACCATCCAATG
 TATGGGAACTGTACACATTTAAACAACAAAGAAAATGCCACCATCCTCAGCACCTCCATGGGAGGCAGTG
 AGTACGGGCTGCAAGTCATCTTATACATAAACGAAGATGAATACAACCCCTTCTGGTGTCTCCACTGG
 AGCCAAGTGCTTATCCATCAGCAGAATGAATACCCCTTCATCGAAGACGTGGGGATGGAGATCGAGACA
 GCAATGTCCACTCCATAGGAATGCACCTGACAGAATCCTTCAAGCTGAGCGAACCTTACAGCCAGTGCA
 CAGAGGACGGCAGTGATGTGCCGTCAAAAATCTACAACGCTGCCTACTCCCTCCAGATCTGCCTTTA
 TTCATGCTTCCAACAAGATGGTGAAAAATGTGGCTGCGCCAGTACAGCCAGCCTCTGCCTCCAGCA
 GCCAATTACTGCAACTACCAGCAACACCCCAACTGGATGTATTGCTACTACCAGTTGTACCAGGCCTTTG
 TCCGGGAAGAACTGGGCTGCCAATCAGTGTGCAAGCAATCCTGTAGCTTTAAGGAATGGACTGACCAC
 CAGCTTGGCACAATGGCCGTCTGAGGCTCCGAGAAAATGGTTGCTGAATGTTCTCACCTGGGACCAAAGC
 CAGCAAATAACAACAAAAGCTCAACAAGACTGACCTGGCCAAGCTTTGATATTCTACAAAGACTGAACC
 AAAGATCCATCATGGAGAGCCCAGCCAACAGTATTGAGATGCTCCTGTCCAACCTTGGTGGACAGCTCGG
 CCTGTGGATGAGCTGTTCACTGCTGTGTGTCATTGAAATCATTGAAGTCTTCTTATTGACTTCTTCTCT
 ATCATCGCCCGCGTCAGTGGCACAAGCCAAGGATTGTTGGCCCGTAGGCAGACACCGCCCTCCACTG
 AGACTCCCTCCAGCCGGCAAGGCCAGGATAATCCAGCTCTGGATACGGAGGATGACTGCCCACTTTTAC
 CTCTGCTATGCGCCTGCCTCCAGCCCGGGTCCACGGTGCCTGGCACACCACCTCCAGATAACAATACC
 TTGCGCTTGGATAGAGCCTTTTCATCCCAGCTCACAGACACTCAGTTGACCAATGAGTT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017046
- Insert Size:** 1953 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

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