

Product datasheet for **RN208484**

Scnn1a (NM_031548) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1a (NM_031548) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Scnn1a
Synonyms:	ENaCA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208484 representing NM_031548
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCTGGACCACACCAGAGCCCTGAGCTCAACATTGACCTAGACCTTCACGCCTCCAACCTCGCCTA
 AGGGGTCCATGAAGGGCAACCAATTCAAGGAGCAAGACCCTTGTCTCCTCAGCCATGCAAGGACTGGG
 GAAGGGGGACAAAACGTGAAGAGCAGGGCCTGGGCCGGAACCCTCAGCACCCCGCAGCCACCGAGGAG
 GAGGAGGCACTGATTGAGTTCCACCGCTCTACCGGGAGCTTTCCAGTTCTTCTGCAACAACACCACCA
 TCCACGGGGCCATCCGCCTGGTGTGCTCCAACACAACCGCATGAAGACGGCCTTCTGGCGGTGCTGTG
 GCTGTGCACCTTCGGCATGATGTACTGGCAGTTCGCCTTGTGTTGAGGAGTACCTCAGCTACCCAGTG
 AGCCTCAACATCAACCTCAATTCAGACAAGCTGGTCTTCCCTGCCGTACTGTCTGCACCCTTAATCCTT
 ACAGATACACTGAAATTAAGAGGAGCTGGAAGAGCTGGACCGCATCACGGAGCAGACGCTTTTTGACTT
 GTACAAAACAACCTTCTTACACTCGCCAGGCTGGGGCCGACGCCGAGCTCCCGCAGCTCCTGGGT
 GCTTTCCCGCACCCCTGCAGCGCTGCCACTCCACCTCCGCCCTACTCCGGCCGACGGCGCGCAGCG
 GGTCTTCCAGCGTACGCGACAACAATCCCAAGTGGACCGGAAGGACTGGAAGATCGGCTTCCAACCTGTG
 CAACCAGAAACAAATCAGACTGTTTCTACAGACATACTCCTCTGGGGTGGATGCAGTGAGGGAGTGGTAC
 CGCTTCCATTACATCAACATTCTGTCCAGGCTGTCCGGACCTCGCCCGCTTAGAGGAAGAAGCCCTGG
 GCAACTTCATCTTCACTGTGCTTCAACCAGGCCCTGCAACCAGGCGAATTATTCCAAGTTCACCA
 CCCCATGTACGGAACTGCTACACTTTCAATGACAAGAACAACCCAATCTCTGGATGCTCTCCATGCT
 GGAGTCAACAATGGTTTGTCCCTGACACTGCGCACAGAGCAGAATGACTTCATCCCCCTGCTGTCCACAG
 TGACGGGGCCAGGGTGTGGTGCATGGTCAGGATGAGCCTGCCTTTATGGATGATGGTGGCTTCAACTT
 GAGGCCTGGCGTGGAGACCTCCATCAGTATGAGAAAGGAAGCCCTGGACAGCCTCGGAGGAAATTACGGC
 GACTGTACTGAGAATGGTAGCGATGTCCCGGTCAAGAACCCTTACCCTTCCAAGTATACACAGCAGGTGT
 GCATTCCTCTGCTTCCAGGAGAACATGATCAAGAAGTGTGGCTGTGCCTACATCTTCTACCCTAAGCC
 CAAGGGAGTTGAGTTCTGTGACTACCGAAAGCAGAGCTCCTGGGGCTATTGCTATTATAAACTGCAGGGC
 GCCTTCTCCTGGACAGCCTGGGCTGTTTCTCCAAGTGTCCGAAGCCTTGTAGTGTGATCAACTACAAAC
 TCTCTGCCGCTACTCACGGTGGCCATCTGTGAAGTCCCAGGATTGGATCTTCGAGATGCTGTCTTGTCA
 GAACAATTACACTATTAACAACAAAAGAAACGGAGTTGCAAAGCTCAACATCTTCTCAAGGAGCTGAAC
 TATAAACTAATTCGGAGTCTCCTTCTGTACGATGGTCAAGCCTCCTGTCCAACCTGGGCAGCCAGTGG
 GCCTGTGGTTTGGCTCGTCCGTGCTCTGTGGTGGAGATGGCGGAGCTCATCTTCGACCTCCTGGTCA
 CACTTCTCATGCTGCTACGCCGTTCCGGAGCCGGTACTGGTCTCCAGGACGAGGGGGCCAGGGGTGCC
 AGGGAGGTGGCCTCCACTCCAGCTTCTCCTTCCCGTCCCGTTTCTGTCTCACCCTACATCCCCACCAC
 CTCTTTTCCCCAGCAGGGCATGACCCCTCCCCTGGCCCTGACAGCCCTCCACCTGCCTATGCTACTCT
 AGGCCCCAGTGCCCTCCACTGGACTCTGCGGCGCCTGACTGTTCTGCCTGTGCCTGGCGGCGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031548

Insert Size: 2100 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:	<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_031548.2</u> , <u>NP_113736.1</u>
RefSeq Size:	3395 bp
RefSeq ORF:	2100 bp
Locus ID:	25122
UniProt ID:	<u>P37089</u>
Cytogenetics:	4q42
Gene Summary:	acts as an epithelial sodium ion channel; regulates salt and fluid transport in the kidney [RGD, Feb 2006]