

## Product datasheet for **MC205509**

### Scnn1g (NM\_011326) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1g (NM_011326) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scnn1g
Synonyms:	SCNEG
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021338  
 CCACGCGTCCGGGCCAGAAGAAGAGGAGCGTCTCCAGACTGTACACAGGCCAGCCGTGACCCTTCAGTTC  
 AGAAAGAACTCTGCAGGCTGCAAAGTCCTGTCTTACCATGGCGCCTGGAGAGAAGATCAAAGCCAAAAT  
 CAAAAAGAATCTGCCAGTTCCGAGGCCCCAGGCCACCGACCATTAAAGACCTGATGCATTGGTACTGCCTG  
 AACACCAACACCCACGGCTGCCGGCGCATCGTGGTGTCCCAGGCCGCTTCGGCGCCTGTTGTGGATTG  
 CGTTCACGCTGACAGCAGTGGCCCTCATTATCTGGCAGTGGCCCTCCTCGTCTTCTCTTTACACCGT  
 CTCTGTCTCCATCAAAGTCCACTTCCAGAACTGGATTTCCCGCTGTCACTATCTGCAATATCAACCCC  
 TACAAGTACAGTGTGTGAGTGACCTCCTGACTGACTTGGACAGTGAACAAAACAGGCCTTGCTGTCCCT  
 TGTATGGGGTCAAAGATGTTCTAGACAGTACACCTCGGAAACGCCGGGAAGCAGGATCCATGCGGTCCAC  
 GTGGGAAGGCACACCACCAGATTTCTCAACCTGATCCCATTGTTGGTCTTCAATGAGAACGAGAAGGGA  
 AAGGCCAGGGACTTCTCACTGGTGGAAAGCGGAAAATCAGTGGGAAAATCATAACAAAGGCTTCTAATG  
 TCATGCACGTTTATGAGTGAAGAACTGGTGGGATTTCAAGTGTGCTCAATGACACCTCTGACTGTGC  
 CACCTACACCTTACAGCTCAGGAATCAATGCCATCCAGGAGTGGTACAACTTCACTACATGAATATCATG  
 GCACAGGTGCCTTAGAGAAGAAAATCAACATGAGCTATTCTGCCGAAGAACTGTGGTGCCTGCTTCT  
 TCGATGGGATGTCTGTGATGCCAGAACTTCACTCTTTCCACCATCCAATGTATGGAACTGCTACAC  
 GTTCAACAACAGAGAAAACGCCACCATCCTCAGCACCTCCATGGGAGGCAGTGAATATGGTCTGCAAGTC  
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 AGGAATGCACCTGACAGAATCCTTCAAGCTGAGCGAACCTTACAGCCAGTGCACAGAGGACGGCAGCGAT  
 GTGCCCGTCACAAAATCTACAATGCTGCCTATCCCTCCAGATCTGCCTTTACTCATGCTTCCAAACGA  
 AGATGGTGGAAAAATGTGGCTGTGCCAGTACAGTCAAGCTTACCTCCAGCAGCAATTAAGTCAACTA  
 CCAGCAACACCCCACTGGATGTATTGCTACTACCAGCTGTACCAGGCCTTTGTCCGGGAAGCACTGGGC  
 TGCCAATCAGTGTGAAGCAATCCTGCAGCTTAAAGGAATGGACACTGACCACCAGCTTGGCAGCATGGC  
 CATCTGAGGCTTCTGAGAAATGGTGTGCTGAATGTTCTCACCTGGGACCAAGCCAGCAAAATAAACAAAA  
 GCTCAACAAGACTGACCTGGCCAAGCTTGTATATTCTACAAAGACCTGAACCAAGATCCATCATGGAG  
 AGCCCAGCCAACAGTATTGAGATGCTCCTGTCTAACTTTGGTGGACAGCTCGGCCTGTGGATGAGCTGCT  
 CGGTGCTGTGTGCATCGAAATCATCGAAGTCTTCTTATTGATTTCTTCTTATTATTGCCCGCCGCA  
 GTGGCAGAAAGCCAAGGATTGGTGGGCCGTAGGCGGACACCACCCTCCACTGAGACTCCCTCCAGCCAG  
 CAGGGTCAAGATAATCCAGCCCTGGATACGGACGATGATCTGCCACTTTTACCTCTGCTATGCGCCTGC  
 CTCCAGCCCCGGAGGCTCCGGTGCCTGGCACACCACCCCCAGATACAATACCTTGGCCTTGGACAGTGC  
 CTTTTCTCCAGCTCACAGACTCAGTTGACCAATGAGTTCTAAGATAGGATTGGAACAGTCAATGG  
 TTTGAGGAGACTCTTCTGACACAAATGGTCCCTCCTATCCTCGTTCTGGCTTTGATACATGTCTAAC  
 AGCCTGCTGTGAACAGGATAGGGCATGGAATCCACAGAAGGACCTGATGGGCCCTGCCCAACACTCAT  
 AACTTCCAGCATGAGCTATATCCTGCAACCTGGACTCAGCACTTATAAGCTAAAGAGCCAAAGGTAATGA  
 ATGACCTGGGCCAACAGTGAAGTCTTCTGGGGTCTGAAAGAGAATGGTGTTCAGAGCCCCAAGCTCA  
 GGAGTTTGGCCACAATAACCTGGCCAGCTTGTACCTCAAGCACATGATCTTGGGTAGCAAGGCTGGCCA  
 GCTATTGCCTGATGGGTGTGACAGAAGAAATTAGCACCATCCTTGGATCCCAGCAGTTGGTTGTGACCT  
 CAGTCATTGACACTGGGACAAGGTGTCTCTGTGCTCCTCAGACAGACAGTTGGCCAGAGCCTGGGGATC  
 GTGTTTGGAGAGGGCACAGTAGAGAGAGGACAAGGGGTGTGTAAGATGTCCCACTCTGAAGCAGGGTG  
 GGCAGTAGAGAAGGGCCAGTTAAAGGGCATAGCTGGACACTCCTGCCAATGGTACTCCTATCCTAATC  
 TCAGCTCGAGTGGTATGCTGCGAGCTGTACTAAGCACTTACTCTAGGCATAAACAAACACCAAGCCTACAG  
 GCCAATCCTTTATTTGTCTTTGAACTGAGAGTATGTGTATGTGTGAGAATGTGTGATGAATGTGTAT  
 ATATGTATGTGTTTATAATTTTTATATTGCTAATATATACATATATATATCAAAAAGATAATTTTTG  
 TGACTTGTGAAAATTATAAGATTCAAATGCTAGTGTATAAATAAAGTTTTATTGATAATCAAAAAAAA AAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_011326  
**Insert Size:** 1968 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC021338</a> , <a href="#">AAH21338</a>
<b>RefSeq Size:</b>	3018 bp
<b>RefSeq ORF:</b>	1968 bp
<b>Locus ID:</b>	20278
<b>UniProt ID:</b>	<a href="#">Q9WU39</a>
<b>Cytogenetics:</b>	7 65.07 cM
<b>Gene Summary:</b>	This gene encodes the gamma subunit of the epithelial sodium channel, a member of the amiloride-sensitive sodium channel family of proteins. This channel regulates sodium homeostasis and blood pressure, by controlling sodium transport in the kidney, colon and lung. Proteolytic processing of the encoded protein results in the release of an inhibitory peptide and channel activation. Homozygous knockout mice for this gene exhibit perinatal lethality, likely due to excess serum potassium. [provided by RefSeq, Oct 2015]