

Product datasheet for **MR209793**

Scnn1g (NM_011326) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1g (NM_011326) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scnn1g
Synonyms:	SCNEG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209793 representing NM_011326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCTGGAGAGAAGATCAAAGCCAAAATCAAAAAGAATCTGCCAGTTCGAGGCCCCAGGCACCGA
 CCATTAAGGACCTGATGCATTGGTACTGCCTGAACACCAACACCCACGGCTGCCGGCGCATCGTGGTGTC
 CCGAGGCCGCTTCGGCCCTGTTGTGGATTGCGTTCACGCTGACAGCAGTGGCCCTCATTATCTGGCAG
 TGCGCCCTCCTCGTCTTCTTTCTACACCGTCTCTGTCTCCATCAAAGTCCACTCCAGAACTGGATT
 TCCCCGCTGTCACTATCTGCAATATCAACCCCTACAAGTACAGTGTGTGAGTGACCTCCTGACTGACTT
 GGACAGTGAGACAAAACAGGCCTTGCTGTCTTGTATGGGGTCAAAGATGTTCTAGACAGTACACCTCGG
 AAACGCCGGGAAGCAGGATCCATGCGGTCCACGTGGGAAGGCACACCACCCAGATTTCTCAACCTGATCC
 CATTGTTGGTCTTCAATGAGAACGAGAAGGAAAGGCCAGGGACTTCTTCACTGGTGGAAAGCGGAAAAT
 CAGTGGGAAAATCATACACAAGGCTTCTAATGTATGCACGTTTATGAGTGAAGAACTGGTGGGATTT
 CAGTTGTGCTCAAATGACACCTCTGACTGTGCCACCTACACCTTCACTCAGGAATCAATGCCATCCAGG
 AGTGGTACAACTTCACTACATGAATATCATGGCACAGGTGCCTCTAGAGAAGAAAATCAACATGAGCTA
 TTCTGCCGAAGAAGTGTGGTACCTGCTTCTTCGATGGGATGTCCTGTGATGCCAGGAACCTCACTCTT
 TTCCACCATCCAATGTATGGGAAGTGTACACGTTCAACAACAGAGAAAACGCCACCATCCTCAGCACCT
 CCATGGGAGGCAGTGAGTATGGTCTGCAAGTCACTTATACATAAACGAAGATGAGTACAACCCCTTCT
 GGTGTCACTCCACTGGAGCCAAGGTGCTTGTCCATCAGCAGAATGAATACCTTTCATCGAAGACGTGGGG
 ACCGAGATCGAGACAGCAATGTCCACTTCCATAGGAATGCACCTGACAGAATCCTTCAAGCTGAGCGAAC
 CTTACAGCCAGTGCACAGAGGACGCGAGCGATGTGCCCGTCAAAAACATCTACAATGCTGCCTATTCCT
 CCAGATCTGCCTTACTCATGCTTCCAAACGAAGATGGTGGAAAATGTGGCTGTGCCAGTACAGTCAG
 CCTCTACCTCCAGCAGCCAATTACTGCAACTACCAGCAACACCCCAACTGGATGTATTGCTACTACCAGC
 TGTACCAGGCCTTGTCCGGGAAGAAGTGGGCTGCCAATCAGTGTGCAAGCAATCCTGCAGCTTTAAGGA
 ATGGCACTGACCACCAGCTTGGCACAGTGGCCATCTGAGGCTTCTGAGAAATGGTTGTGAATGTTCTC
 ACCTGGGACCAAAGCCAGCAAATAAACAAAAGCTCAACAAGACTGACCTGGCCAAGCTCTTGATATTCT
 ACAAAGACCTGAACCAAAGATCCATCATGGAGAGCCAGCCAACAGTATTGAGATGCTCCTGTCTAACTT
 TGGTGGACAGCTCGCCCTGTGGATGAGCTGCTCGGTCTGTGTCATCGAAATCATCGAAGTCTTCTTC
 ATTGATTTCTTCTATTATTGCCCGCCCGCAGTGGCAGAAAGCCAAGGATTGGTGGGCCGTAGGCCGA
 CACCACCTCCACTGAGACTCCCTCCAGCCAGCAGGGTCAAGATAATCCAGCCCTGGATACGGACGATGA
 TCTGCCCACTTTTACCTCTGCTATGCGCCTGCCTCCAGCCCCGGAGGCTCCGGTGCCTGGCACACCAACC
 CCCAGATAACAATACCTTGCCTTGGACAGTGCCTTTCTCCAGCTCACAGACACTCAGTTGACCAATG
 AGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209793 representing NM_011326
 Red=Cloning site Green=Tags(s)

MAPGEKIKAKIKKNLPVRGPQAPTIKDLMHWYCLNTNTHGCRRIVVSRGRLRRLWLIAFTLTAVALIIWQ
 CALLVFSFYTVSVSIKVFQKLDPAVTICNINPYKYSVSDLLTDLSETKQALLSLYGKVDLDSTPR
 KRREAGSMRSTWEGTPPRFLNLIPLLVFNENEKGDARFFTGKRKRISGKIIHKASNMVHVHESKLLVGF
 QLCSDNTSDCATYTFSSGINAIQEWYKLYHYNIMAQVPLEKKINMSYSAEELLVTCFFDGMSCDARNFTL
 FHHPMYGNCYTFNNRENATILSTSMGGSEYGLQVILYINEDEYNPFLVSSTGAKVLVHQNEYPFIEDVG
 TEIETAMSTSIGMHLTESFKLSEPYSQCTEDGSDVPVTNIYNAAYSLQICLYSCFQTKMVEKCGCAQYSQ
 PLPPAANYCNYQQHPNWMYCYQLYQAFVREELGCQSVCKQSCSFKEWLTTSLAQWPSEASEKWLNLV
 TWDQSQQINKKLNKDLAKLLIFYKDLNQRSIMESPANSIEMLLSNFGGQLGLWMSCSVVCVIEIEVFF
 IDFFSIIARRQWQAKADWWARRRTPPSTETPSSQQQDNPALDITDLDLPTFTSAMRLPPAPEAPVPGTTP
 PRYNTLRLLDSAFSSQLTDTQLTNEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_011326

ORF Size: 1965 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_011326.3](#)

RefSeq Size: 2965 bp

RefSeq ORF: 1968 bp

Locus ID: 20278

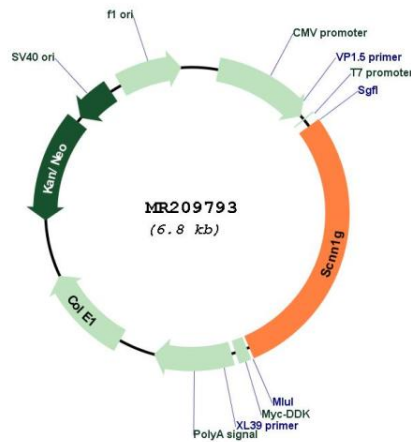
UniProt ID: [Q9WU39](#)

Cytogenetics: 7 65.07 cM

MW: 75.1 kDa

Gene Summary: 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]

Product images:



Circular map for MR209793