

Product datasheet for **MR208728**

Slc9a7 (BC058750) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a7 (BC058750) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc9a7
Synonyms:	A530087D17Rik; NHE7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208728 representing BC058750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGCCTAGTGACGCGCGCGCCCGGGTCCCGGAGAGCTTTTCGGGGCTGTCGCCGCGCTGCTGC
 TGCTGCCACTGTTGCCTGTGCTGCTGGGTGCGGGGCTGCGGGCTGGGGCCGCGGCCTCCTCTGGGGAGGC
 GGCTGAGGACAGCAGCGCCATGGAGGAGCTTGCCACCGAGAAGGAGGCGGAGGAGAGCCACCGGCAGGAC
 AGCGTGAGCCTGCTCACCTTCATCCTGCTGCTCACCTCACCATCCTCACCATCTGGCTTTCAAGCACC
 GCCGGGTGCGTTTCCTTCATGAGACCGGCTGGCCATGATTTATGGGCTCATTGTTGGAGTGATCCTGAG
 ATATGGCACCCCTGCTACCAGCGGTGATGACAAGTCACTCAGCTGTACTCAGGAAGACAGAGCCTTTAGC
 ACTTTATTAGTGAATGTCAGTGGGAAGTCTTTGAATACACTCTGAAAGGAGAAATCAGCCCTGGCAAGA
 TCAACAACGTGGAGCAGAATGACATGCTGCGGAAGGTAACATTTGATCCAGAGGTATTTTCAACATTCT
 GCTGCCTCCAATTATTTCCATGCTGGATACAGCTTAAAGAAGAGACACTTTTTCAGAAATCTTGGGTGCG
 ATTCTGGCCTATGCTTTCTTGGGACTGCTGTTTCTTGCTTCATTATTGAAATCTTATGTATGGAGTGG
 TGAAACTCATGAAGATTGTGGCCAGCTCTCTGATAAATTTACTACACAGATTGCTCTTTTTTGGAGC
 AATTATTTCTGCCACTGACCCAGTGACTGTGCTGGCAATCTTTAACGAACACATGCAGATGTGGATCTT
 TATGCTCTTCTGTTTGGAGAGAGTGCTGAATGATGCAGTTGCCATTGTACTATCCTCGTCTATTGTTG
 CCTATCAACCAGCAGGACTAAACACTCATGCGTTTGATGCTGCTGCTTTTTTAAGTCAGTTGGCATTCTT
 CCTAGGTATATTTAGTGGCTCTTTACCATGGGAGCTGTAAGTGGTGTGTTACTGCTCTAGTGACCAAG
 TTTACTAAGCTGCACTGCTTCCCCTGCTGGAGACAGCGCTTTTTTCTGATGCTCTGGAGTACCTTTC
 TCCTGGCGGAAGCCTGTGGGTTTACAGGTGTTGTAGCTGCTTTTTCTGTGGGATTACACAAGCTCATT
 CACATATAACAACCTGTGAGTAGAATCTCGAAGTCAAGCAAGCAGCTTTTTGAGGTGTTACACTTCCTG
 GCAGAGAACTTCACTTTTCTACATGGCCTGGCACTGTTACCTTCCAGAAACACGTTTTTCAAGCCCCA
 TTTTCATCATCGGTGCTTTTGTGCCATCTTCTGGGAAGAGCTGCACATATCTACCCACTCTCCTTCTT
 CCTCAACTTGGGCAGAAGGCATAAGATTGGCTGGAATTTTCAACACATGATGATGTTTTTCAAGCCTGAGA
 GGAGCGATGGCATTGCACTGGCTATCCGTGACACGGCATCGATGCCCGCCAGATGATGTTTCAACCA
 CACTGCTCATTGTCTTCTCACTGTGTGGGTGTTGGTGGAGGCACGACCCCATGTTGTCATGGCTCAA
 TATAAGATACAGGTTCTGGAACATGATTGACAGA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208728 representing BC058750
 Red=Cloning site Green=Tags(s)

MEPSDAARPGPGRFRGLSPRLLLPLLPVLLGRGLRAGAAASSGEAAEDSSAMEELATEKEAEESHQRD
 SVSLLTFILLTLTILTIWLFKHRRVRFLHETGLAMIYGLIVGVILRYGTPATSGHDKSLSCTQEDRAFS
 TLLVNVSGKFFEYTLKGEISPGKINNVEQNDMLRKVTFDPEVFFNILLPPIIFHAGYSLKKRHFRLNLS
 ILAYAFGLTAVSCFIIGNLMYGKVKLMKIVQLSDKFYYTDCLFFGAIISATDPVTVLAIFNELHADVDL
 YALLFGESVLNDAVAIVLSSSIVAYQAPGLNTHAFDAAFFKSVGIFLGIFSGSFTMGAVTGVTALVTK
 FTKLHCFPLLETALFFLMSWSTFLLAEACGFTGVVAVLFCGITQAHYTYNNLSVESRSRSKQLFEVLHFL
 AENFIFSVMGLALFTFQKHVFSPIFIIGAFVAIFLGRAHIYPLSFFLNLGRRHKIGWNFQHMMMFSGLR
 GAMAFALAIRDTASYARQMMFTTLLIVFFTVVWVIGGGTPMLSWLNIRYRFWNMIDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC058750

ORF Size: 1644 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC058750.1](#)

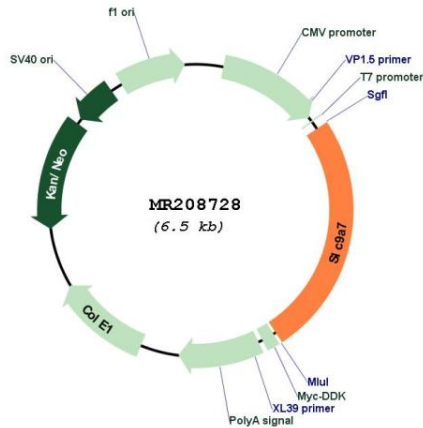
RefSeq Size: 2206 bp

RefSeq ORF: 1646 bp

Locus ID: 236727

Cytogenetics:	X A1.3
MW:	80.9 kDa
Gene Summary:	Mediates electroneutral exchange of protons for Na(+) and K(+) across endomembranes. May contribute to Golgi volume and cation homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208728