

Product datasheet for **MC218854**

Slc9a8 (NM_178371) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc9a8
Synonyms:	1200006P13Rik; 6430709P13Rik; A1182282; NHE8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218854 representing NM_178371
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGAGGAGTTCTCCAACACAACCCATGAGACCTTCAACTTCACCCCTTCACACCACCTTGGGTG
TCACCACGAAGCTGGTGTCTGCCGACACCTGCCAAGCCTATCCTTCCGGTGCAGACGGGAGAGCAGGCCCA
GCAGGAGGAGCAGTCGAGCGGCATGACCATTTTCTTACGCCTCCTCGTCTAGGTATTCTCATGGGAGCA
GTAATAAAAGTTATAGAGTTTAAAAAGCTGGCAAATTTGAAGGAGGAAGAAATGTTTCGCCCAACATGT
TTTTCTTCTCTTGTCTCCACCTATTATCTTTGAGTCAGGATACTCACTGCACAAGGGAACTTCTTTCA
GAACATCGGTTCCATCACTCTCTTCGTGTCTTTGGAACGGCAATCTCGGCTTTTGTAGTAGGTGGAGGA
ATTTACTTTCTGGGTGAGGCTGATGTAATCTCTAACTCAACATGACAGACAGTTTCGCAATTTGGCTCCC
TGATATCTGCAGTCGACCCAGTCGCCACTATTGCGATTTTCAACGCACTGCATGTGGACCTGTGCTCAA
CATGCTGGTGTGGAGAAAGCATTCTCAACGATGCAGTCTCCATCGTCTCACCACACGGCTGAAGGT
CTAACAGAAAACATATGTCAGATGTCAGTGGGTGGCAAACGTTCTCACAGGCCCTTGGCTACTTCTCTCA
AAATGTTCTTTGGCTCCGACGACTTGGCACGCTGACTGGCTTGATTTCAGCATTAGTGTGAAGCACAT
TGACCTGAGGAAAACGCCTTCCCTGGAGTTTGGCATGATGATCATTTTTGCTTACCTGCCATATGGGCTG
GCAGAAGGAATCTCACTCTCAGGCATCATGGCGATCCTGTTTTCTGGCATCGTATGCACACTATACAC
ACCATAACCTCTCCCGAGTCACCCAGATCCTCATGCAGCAGACTCTCCGAACGTGGCCTTCTGTGTGA
AACGTGTGTGTTTGCATTTCTTGGCCTCTCCATTTTGTAGTTTCCCTCACAAGTTTGAATTTCTTTGTC
ATCTGGTGCATAGTGTGCTGCTGTTTGGCAGAGCCGTCACATCTTCCCTCTGTCTACCTGCTGAAC
TCTTCCGAGATCACAAATCACCCCAAGATGATGTTTCATCATGTGTTTCAAGTGTCTCGAGGGGCCAT
CCCCTATGCACTAAGCCTGCACCTGGGCTGGAGCCCATGGAGAAGCGTCAGCTCATCGGCACCACCACC
ATCGTCATCGTGTCTTCAACATCTGCTGCTGGGCGGCAGCACCATGCCCTCATCCGCCTCGTGGACA
TCGAGGATGCCCGGCTCGCCGAAGGAGCAAGAAAGACGTCAACCTCAGCAAGACTGAGAAGATGGGTAA
TGCCATCGAGTCAGAGCACCTGTGAGGCTCACTGAAGAAGAGTACGAAGCTCACTACATCAGACAGCAG
GACCTCAAAGGCTTCATGTGGCTGGATGCCAAGTACCTGAACCCCTTCTTACACGGCGGCTGACACAGG
AGGACCTCCACCATGGCCGCATCCAGATGAAGGCCTCACCATAAGTGGTATGAGGAGTCCGTCAGGG
ACCGTCAGGCTCTGAGGATGATGAGCAGGAGTTGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_178371

Insert Size: 1650 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_178371.3, NP_848458.2</u>
RefSeq Size:	4429 bp
RefSeq ORF:	1650 bp
Locus ID:	77031
Cytogenetics:	2 H3
Gene Summary:	This gene encodes a member of the Na⁺/H⁺ exchanger (NHE) family of integral membrane transporter proteins. The encoded protein is expressed on the apical membrane of the intestinal epithelial cells and plays an important role in mucosal protection. Loss of the encoded protein in mice results in a decrease in the number of goblet and mucin-positive cells, disorganization of the mucin layer, and a decrease in mucosal pH in the colon. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. COMPLETENESS: complete on the 3' end.