

Product datasheet for **MG220838**

Slc9a9 (NM_177909) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a9 (NM_177909) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc9a9
Synonyms:	5730527A11Rik; 9930105B05; AI854429; Nhe9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220838 representing NM_177909
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGGCAGCTTCGGTTTACGTGAGGAAGGATGAAGATCATTTTCAACACCAGGGAGCAGTGGAGC
 TACTCGCGTTTAAATTTTTGCTCATCCTTACCATTTTAAACAATCTGGTTATTTAAAAATCACCGATTCCG
 CTTCTTGCATGAGACTGGAGGGCGATGGTGTATGGCCTCATAATGGGACTAATTTTGCATATGCCACA
 GCGCCGACTGATATTGATAGTGGAACTGTCTACAACCTGTGGAACTTGTCTTTCAGCCCATCAACTCTAC
 TAGTCAACATCACCGACCAAGTTTATGAGTATAAGTACCAGAGAGAGATCAACCAGCACAAATACAGCCC
 CCACCAAGGCAACGCCATACTGGAGAAGATGACGTTTGACCCAGAAATCTTCTTCAACGTTTTGCTGCCT
 CCCATCATATTTTCATGCAGGATACAGTCTGAGGAAGAGACTTTTTTCAAACCTGGGATCCATTTTAA
 CGTATGCCTTCTGGGAACAGCCATCTCCTGTGTGGTCATAGGGTTAATTATGTACGGCTTTGTGAAAGC
 CATGGTGCATGCTGGCCAGCTGAAGAGCGGAGACTTCCACTTCACTGACTGTTTATTTTTGGTTCACTG
 ATGTCTGTACAGATCCAGTGACAGTGGCCATTTTCCATGAACTCCAGTGGACCCAGACCTGTACA
 CACTGCTGTTTGGAGAGAGTGTACTGAATGATGCGGTGGCCATAGTCTCACATACTCTATATCCATCTA
 TAGTCCCAAGGAGAATCCCAACGCGTTTGACACGGCAGCGTTCTTCCAATCCGTGGGCAATTTCTAGGG
 ATCTTTGCCGGCTCCTTTGCAATGGGCTCCGCATATGCAGTTGTTACCGCACTGTTGACCAAAATTTACCA
 AGCTCCGTGAGTCCCGATGCTGGAGACAGGTCTGTTTTCTCCTTTCTTGGAGTGCCTTCTGTCTGC
 AGAGGCCCGCCGGCTTAAACAGGCATAGTTGCTGTTCTTCTGTGGAGTACACAGGCACATTACACCTAC
 AACAACTGTGCATCGGATCCAACTGAGGACCAACAGCTGTTGAATTTATGAACTTCTGGCTGAAA
 ACGTCATCTTCTGCTACATGGCCTGGCTGTGTTCACTTCCAGAATCACATTTTCAATGCTCTTTTTAT
 ACTCGGAGCCTTTCTAGCAATTTTTGTTGCCAGAGCCTGCAACATTTACCCCTCTCCTTCTCCTGAAT
 CTGGGCAGAAAGCAGAAGATTCCCTGGAACCTCCAGCACATGATGATGTTTTCAGTTTTGCGAGGTGCCA
 TTGCCCTTCCGCAACACGGAATCTCAGCCCAAACAGATGATGTTACCACCACACTGCT
 CTTGTGTTCTTCACTGTCTGGGTGTTTGGAGGAGGAACGACCCCATGCTGACGTGGCTTCCAGATCAGA
 GTTGGTGTGGACCTGGATGAAAGTCTGAAGGAAGGCCCTCTCACAGCAGGAAGCAAATAAGTTGGACA
 AAAACATGACGAAGACAGAGAGTGCACAGCTCTCAGAATGTGGTATGGATTTGACCACAAATACCTGAA
 ACCCATCTAACACACTCAGGCCCTCCACTGACCACCCTTCCAGCGTGGTGGCGCCAGTCTCCAGG
 CTGCTCACCAGTCCGAGGCCTATGGGGAACAACCTGAAAGAGGATGACGTGGAATGTATCGTCAACCAAG
 ATGAACTGGCCATGAATACCAGGAGCAGAGCCCTTACCAGCAGTCCCACCACCAAGTAGCTCTGGA
 CCAGAAGTCTTACAGCCAGACTCCAGGCAAGGAGAATATCTACGAGGGAGATCTCGGCCTGGGAGGCTAT
 GATCTCAAACCTGGAGCAGACTCGGGGTCAACCCAGATGGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220838 representing NM_177909
 Red=Cloning site Green=Tags(s)

MAGQLRFTSGKDEDHFHQGAVELLAFNLLILTLTIWL FKNHRFRFLHETGGAMVYGLIMGLILRYAT
 APTDIDSGTVYNCGNLFFSPSTLLVNIIDQVYVEYKYQREINQHNI SPHQNAILEKMTFDPEIFFNVLLP
 PIIFHAGYSLRKRHFQNLGSILTYAFLGTAISCVVIGLIMYGFVKAMVHAGQLKSGDFHFDCLFFGSL
 MSATDPVTVLAI FHELHVDPLYLLFGESVLNDAVAIVLTYSISISYSPKENPNAFDTAFFQSVGNFLG
 IFAGSFAMGSAYAVVTALLTKFTKLREFPMLLETGLFFLLSWSAFLSAEAAGLTGIVAVLFCGVTAHYTY
 NNLSDDSKLRTKQLFEFMNLAENVIFCYMGLALFTFQNHIFNALFILGAFLAIFVARACNIYPLSFLLN
 LGRKQKIPWNFQHMMFSGLRGAI AFALAIRNTE SQPKQMMFTTLLLVFFTVVWVFGGGTTPMLTWLQIR
 VGVDLDESLKEEPSSQEQEANKLDKNMKTESAQLFRMWFYGFHDKYLPILTHSGPPLTTTLPWCGPVS
 RLLTSPQAYGEQLKEDDVEICIVNQDELAMNYQEQSPSPSPPTTKLALDQKSSGQTPGKENIYEGDLGLGGY
 DLKLEQTRGQPQMD

SGP**TRRRLE** – GFP Tag – V

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:	<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:	NM_177909.3
RefSeq Size:	3492 bp
RefSeq ORF:	1935 bp
Locus ID:	331004
UniProt ID:	Q8BZ00
Cytogenetics:	9 E3.3
Gene Summary:	May act in electroneutral exchange of protons for Na(+) across membranes. Involved in the effusion of Golgi luminal H(+) in exchange for cytosolic cations. Involved in organelle ion homeostasis by contributing to the maintenance of the unique acidic pH values of the Golgi and post-Golgi compartments in the cell (By similarity).[UniProtKB/Swiss-Prot Function]