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Product datasheet for MR221941

Slc9a3 (NM_001081060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a3 (NM_001081060) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc9a3
Synonyms:	9030624O13Rik; AI930210; NHE-3; NHE3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR221941 representing NM_001081060
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCACCGGGCTCTGGGACCAGGGTGGAAGCTGCTGCTGGCCCTGGCGCTGACCAGCCTGCAAGGCG
CGAGGGGGGCTGAGGAGGAACCGAGCAGTGATGGGAGCTTCCAGGTGGTCACCTTCAAATGGCACCACGT
CCAGGATCCATACATCATTGCGCTCTGGATCCTCGTGGCCAGCTTGGCCAAAATCGTCTTTCACCTGTCC
CACAAGGTCACCAGTATCGTCCCCGAGAGTGCTCTACTCATCGTTCTGGGCCTGGTGTTGGGTGGCATCG
TCTGGGCAGCTGACCACATCGCCTCCTTCACACTCACACCCACGCTCTTCTTCTTCTACCTGCTGCCCCC
TATTGTGTTGGATGCTGGATACTTCATGCCCAATCGACTCTTCTTTGGCAACCTGGGCACCATTCTGCTA
TATGCTGTCATTGGCACTATATGGAATGCAGCCACCACAGGATTGTCCCTCTATGGTGTCTTCCTCAGTG
GCTTGATGGGTGAACTGAAAATTGGACTCCTGGATTTCTTGCTGTTTGGTAGCCTCATTGCAGCTGTGGA
CCCAGTGGCTGTGCTGGCTGTGTTTGAGGAAGTCCATGTCAATGAAGTCCTCTTCATCATTGTCTTTGGG
GAGTCACTGCTGAATGATGCAGTGACTGTGGTCTTGTACAATGTTTTTGAGTCTTTTGTGACACTGGGTG
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TCTGGTGGGTGTTATCTTCGCCTTCCTGCTGTCCTTGGTGACTCGCTTCACCAAGCATGTGCGTATCATC
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TCCTGGCCATCACCTTTTGCGGCATCTGCTGTCAGAAGTACGTGAAGGCCAACATCTCAGAGCAGTCGGC
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TCATGAGAAGATCTGCTCAAAAATCTCGAGATCGGATCCTGAATGTTTTCCATGAGCTGAATTTGAAGGA
TGCTATCAGCTATGTGGCTGAGGGAGAGCGCCGTGGGTCCCTGGCCTTCATTCGCTCCCCAAGTACGGAC
AATATGGTCAATGTGGACTTCAACACACCCCGCCCATCTACTGTGGAGGCGTCTGTCTCATATTTCTTGA
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CAAGAGGGAGCGCGCACAGAAGCGGAGGAATAGCAGCATTCCTAATGGGAAACTGCCTATGGAGAACCTG
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TCCCCTGGGGAGACCGTGGTGCCCTCCCAGAGGGCCCGTGTTCAGATTCCAAACTCTCCCAGCAACTTCC
GCCGCCTGACACCATTCCGCCTCAGCAACAAATCCGTGGATTCCTTCCTGCAGGCTGATGGCCACGAGGA
ACAGCTCCAACCGGCTGCCCCCGAGTCCACACACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221941 representing NM_001081060
Red=Cloning site Green=Tags(s)

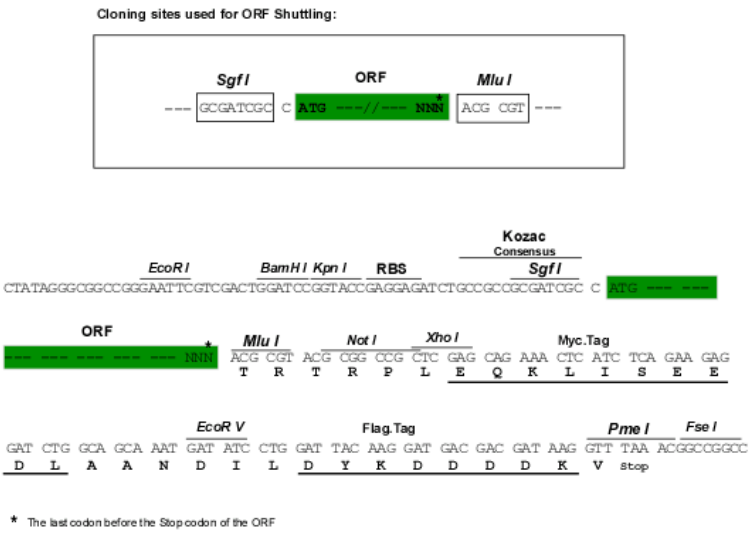
MWHRALGPGWKLLLALALTSLQGARGAEEEPSSDGSFQVVTFKWHHVQDPYIIALWILVASLAKIVFHLS
HKVTSIVPESALLIVLGLVLGGIVWAADHIASFTLTPTLFFFYLLPPIVLDAGYFMPNRLFFGNLGTILL
YAVIGTIWNAATTGLSLYGVFLSGLMGELKIGLLDFLLFGSLIAAVDPVAVLAVFEEVHVNEVLFIIVFG
ESLLNDAVTVVLYNVFESFVTLGGDAVTGVDCVKGIVSFFVVSLGGTLVGVIFAFLLSLVTRFTKHVRII
EPGFVFVISYLSYLTSEMLSLSSILAITFCGICCQKYVKANISEQSATTVRYTMKMLASGAETIIFMFLG
ISAVNPDIWTWNTAFVLLTLVFISVYRAIGVVLQTWILNRYRMVQLETIDQVVMSYGGLRGAVAYALVVL
LDEKKVKEKNLFVSTTLIVVFFTVIFQGLTIKPLVQWLKVKRSEHREPKLNEKLHGRAFDHILSAIEDIS
GQIGHNYLRDKWSNFDRKFLSKVLMRRSAQKSRDRILNVFHELNLKDAISYVAEGERRGSLAFIRSPSTD
NMVNVDFNTPRPSTVEASVSYFLRENVSAVCLDMQSLEQRRRSIRDTEDMVTHHTLQQYLYKPRQEYKHL
YSRHELTPNEDEKQDKEIFHRTMRKRLESFKSAKLGINQNKKAAKLYKRERAQKRRNSSIPNGKLPMENL
AHNYTIKEKDLELSEHEEATNYEEISGGIEFLASVTQDVASDSGAGIDNPVFSPDEDLDPSILSRVPPWL
SPGETVVPSQRARVQIPNSPSNFRRLTPFRLSNKSVDSFLQADGHEEQLQPAAPESTHM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9003_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081060

ORF Size: 2487 bp

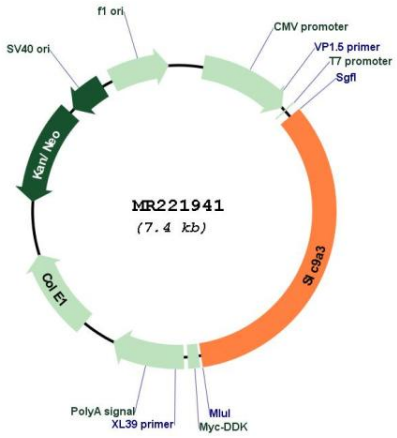
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001081060.2
RefSeq Size:	2490 bp
RefSeq ORF:	2490 bp
Locus ID:	105243
UniProt ID:	G3X939
Cytogenetics:	13 40.15 cM
MW:	93.6 kDa
Gene Summary:	Involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Plays an important role in signal transduction. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221941