

Product datasheet for **MR206896**

Slc38a8 (NM_001009950) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a8 (NM_001009950) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc38a8
Synonyms:	Gm587
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR206896 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**

 ATGGAAGGGCAGCCAGAGGGAGCAGAGGCCCTCTGGAGAAGCCCTCCCTGCTGCCACCCATCCCACTC
TGTCCTCACTGGGCGCCGTGTTTCATCCTCTTGAAGTCCGCTCTGGGCGCCGGCCTGCTCAACTCCCTG
GGCCTTCTACAAGGCAGGAGGCATGCTGCCACCTTCTGGTGGCCCTGGTATCTTTGGTCTTCTGATC
AGCGGCCTGGTCATCCTGGGCTACGCAGCATCTGTGAGTGGCCAGACCACCTACCAGGTGTGGTCCGGG
AGCTATGTGGCCCGCCATGGGAAGCTGTGTGAGATCTGCTTCTGACCAACCTGCTCATGATCTCTGT
GGCTTCTCAGAGTGATCGGGACAGCTGGAGAAGTTGTGTGACTCCCTCCTGCCTGACGCCCCACAG
CCTTGGTATGCAGCCAGAACTTCACTGCCCCCTGATCTCCATGCTGGTCATCTTCCCTGTGAGCAC
TTGGGAAATTGCCCTCCAGAAGTACACCAGCATCTAGGTAAGTCTGGCTGCCTGCTACCTGTCTGGT
CATCACGGTGAATACTACCTGTGGCCCGAGGCCCTCATACGCCAGCCCGGTCTTTGCTGAGCCGTCT
CCCTGGACCTCTGTGTTAGCGTGTTCCCTACCATCTGCTTTGGATTCCAGTGTATGAGGCCGCCGTCT
CCATCTACTGCAGCATGTGGAACAGAGCCTCTCCCACTGGACCCTGGTTTCTGTGCTGTCTTGTGCTG
CTGCTGCCTTGTCTACACGCTGACAGGGGTTTATGGCTTCTGACCTTCGGGCCTGAAGTTTCTGCTGAT
ATCTTAATGTCCTACCCAGGCAATGACACAGCCATCATCGTAGCACGCTTCTCTTTCGGGTCTCCATTG
TGACTGTCTACCCATTGTGCTATTCTGGGGAGGTCTGTGATGCAGGACTTTTGGAAAAGAGCTACTG
GGCCACACGGGGCCCTCAGTGCTGGCTGACCCCTCAGGGCCTGGGTTTCGGTGCCTCTGACCTTCTG
TGGTGGTGGTGACGCTACCATGGCTCTGTTCTGCCGACCTCAGCGAGATCATTAGCATATTGGTG
GTGTGAGTTCCTTCTCATCTTCTCCAGGTTTGTGTCTCATCTGTGCTGTGGACACGGAACCCAT
GGGACCAAGAGTCAAGTGTGCTGCTGGAGCCTGGGGCATCCTCTCTGTGCTGGTGGGCACTTTCATCTTT
GGGCAGAGCACAGCGGTGGCCATGGTGGAGCTGCTC

 AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206896 protein sequence

Red=Cloning site Green=Tags(s)

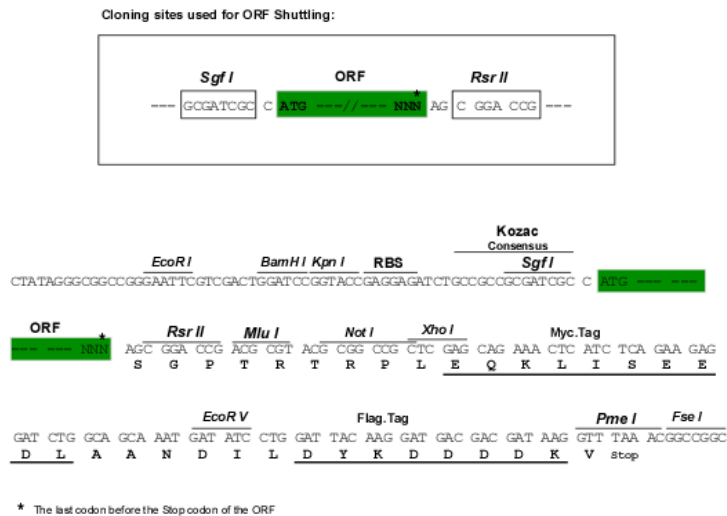
 MEGQPRGSRGPLEKPLPAATHPTLSSLGAVFILLKSALGAGLLNFPWAFYKAGGMLPTFLVALVSLVFLI
SGLVILGYAASVSGQTTYQGVVRELCPAMGKLCEICFLTNLLMISVAFRLVIGDQLEKLCDSLLPDAPQ
PWYAAQNFTLPLISMLVIFPLSALREIALQKYTSILGTLAACYLALVITVQYYLWPQGLIRQPGPLSPS
PWTSVFSVFPTICFGFQCHEAAVSIYCSMWNQSLSHWTLVSVLSLLACCLVYTLTG VYGF LTFGPEVSAD
ILMSYPGNDTAIIVARVLFVSIIVTVPIVFLGRSVMQDFWKKS YWATRGPPVLADPSGPWVRPLPTFL
WVVVTLTMAFLPDLSEIISIIGGVSSFFIFIFPGLCLICAVDTEPMGPRVKCCLEAWGILSVLVGTFIF
GQSTAVAMVELL

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_001009950

ORF Size: 1296 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: [NM_001009950.1](#), [NP_001009950.1](#)

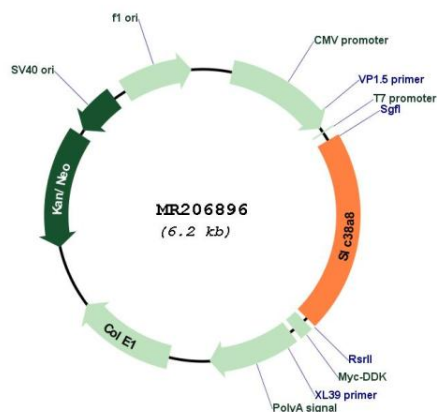
RefSeq Size: 2648 bp

RefSeq ORF: 1299 bp

Locus ID: 234788

UniProt ID: Q5HZH7
 Cytogenetics: 8 E1
 MW: 46.9 kDa
 Gene Summary: Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206896