

Product datasheet for RC216362

SLC38A11 (NM_173512) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A11 (NM_173512) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC38A11
Synonyms:	AVT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216362 representing NM_173512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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 CGGCTTTCCAGGGTATCTGCTCCTCTCTGTTCTTCAGTTTTGTATCCTTTATAGTTGATCCTGAAAAC
 GTGTTTATCGGTCGCCACTTCATTATTGGACTTTCCACAGTTACCTTTACTCTGCCTTTATCCTTGTACC
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 TTTCCACATTGTTGTAACAGTGATGGTCATCACTGTAGCCACGCTTGTGTCATTGCTGATTGATTCCTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC216362 representing NM_173512
 Red=Cloning site Green=Tags(s)

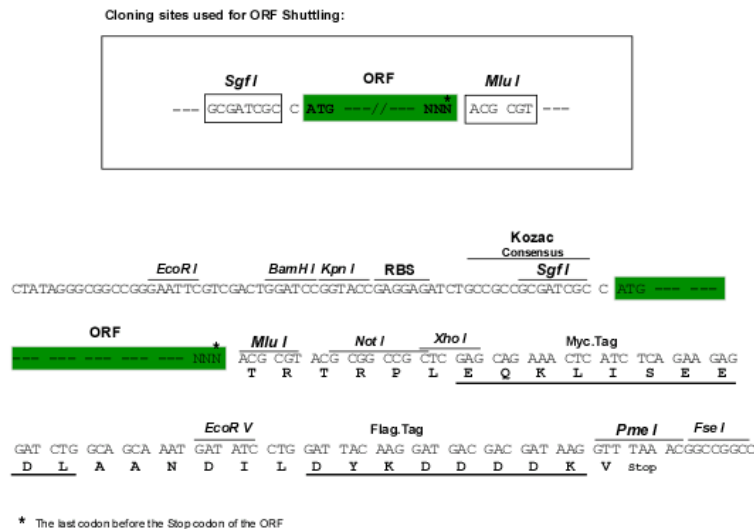
MKQAGFPLGILLFWVSYVDFSLVLLIKGGALSGTDYQSLVNKTFGFPGYLLLSVLQFLYPFIVDPEN
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 NAIQAVGVMSFAFICHNSFLVYSSLEEPTVAKWSRLIHMSIVISVFCIFFATCGYLTFTGFTQGDLE
 NYCRNDLVTFGRFCYGVTVILTYPMECFVTREVIANVFFGGNLSSVFHIVVTVMVITVATLVSLIDCL
 GIVLELNGVLCATPLIFIIPSACYLKLSEEPRTSDKIMSCVMLPIGAVVMVFGFVMAITNTQDCTHGQE
 MFYCFPDNFSLTNTSESHVQQTQLSTLNISIFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1120_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173512

ORF Size: 1152 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_173512.1](#), [NP_775783.1](#)

RefSeq Size: 1621 bp

RefSeq ORF: 1155 bp

Locus ID: 151258

UniProt ID: [Q08AI6](#)

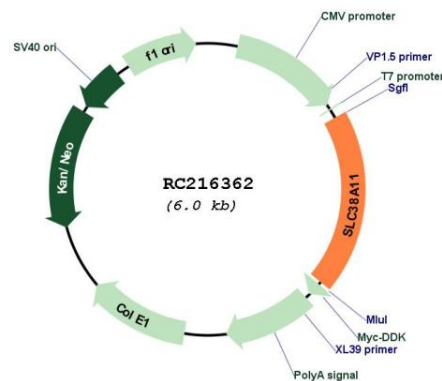
Cytogenetics: 2q24.3

Protein Families: Transmembrane

MW: 42.3 kDa

Gene Summary: Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC216362