

Product datasheet for **MR219366**

Slc26a11 (NM_178743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a11 (NM_178743) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc26a11
Synonyms:	F630021I08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR219366 representing NM_178743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACCAGACACATGCTGCTGCTGCTACGGCCCTGAGGAGGAGGCTACCCGTCCTGGCCTGGGTGC
 CTGACTACTCTCTGCAGTGGCTGAGGCTGGACTTCATCGCTGGACTTTCGGTGGGACTCACCGTCATTCC
 CCAGGCCCTGGCCTATGCAGAAGTGGCTGGACTCCACCCAGTACGGCCTCTACTCTGCCTTCATGGGA
 TGCTTCGTGATTTCTTCTGGGCACCTCCCGGGATGTGACTCTGGGCCACCGCTATCATGTCTCTCC
 TGGTGTCTTCTACACCTTCCGTGAGCCTGCCTATGCTGTGCTGCTTGCCTTCTGTCTGGGTGTATCCA
 GCTGGCCATGGGGCTCTGCATTTGGGGTCTGCTGGACTTCATCTCCTGCCCTGTCAATAAGGCTTC
 ACCTCCGCTGCCAGCATCAAAATGGCTTTGGACAGATCAAGAACCTGCTGGGATTGCAGAAAATCCCC
 GGCAGTTCTTCTCCAGGTGTACCACACCTTCTCCACATCGGAGAGACCAGGTAGGCGACGCTGTCT
 CGGACTGGCCTCCATGTTGCTGCTGCTTGTGCTGAAGTGTATGCGGGAACACATGCCTCCTCCCCATCCT
 GAGATGCCCTTGCCGTGAAGTTCAGCCGTGGGCTGGTGTGGACTGTCAACAGCTCGCAATGCCCTGG
 TGGTCTCCTCCGCGCTCTGATTGCTTACGCCTTCGAGGTGACAGGATCCCATCCCTTTGTTCTGACTGG
 AAAGATCGCCGAGGGGCTCCCTCCGGTGCAGTACCCACCTTCTCAGTGACCAGGGACAATAAGACCATC
 TCGTTCTCTGAGATGGTGCAGGACATGGGGCCGGACTGGCTGTGGTACCTCTGATGGGGCTCCTGGAGA
 GCATTGCCGTGGCCAAATCCTTCGCGTCTCAGAATAACTACCGCATTGATGCTAACCGAACTACTGGC
 CATTGGCTCACCAATGTCTGGGCTCCCTCGTCTCCTTACCAGTCACTGGCAGCTTTGGGCGGACA
 GCTGTGAATGCCAGACAGGGGTGTGTACCCCGCAGGAGGCTGGTACTGGTGCCTGGTGTCTGCTGT
 CCCTGAACACTTGACCTCACTTCTCCTATATCCCCAAGTCTGCCCTGGCTGCCGTGATCATCACGGC
 TGTGACCCCACTCTTGTGATGTCAAGATCTTCAGGAGTCTCTGGCGCTTACAGAGGCTGGATCTGCTACCA
 CTGTGTGTGACGTTCTGCTGCTTCTGGGAGATCCAGTACGGTATCCTGGCCGGTAGCCTGGTGTCTT
 TGCTCATTCTCCTGCACTCGGTAGTAGGCCAAGACTCAGGTGTGAGAAGGACAAATTTTGTCTTCA
 GCCGGCCAGCGCCTGTACTTCCCTGCAATTGATGCCCTCCGAGAGGCAATAACGAACCGGGCACTGGAA
 GCATCCCCACCAGTCCCGGTTCTGGAGTGCACGCATATCAGCAGTGTAGACTACACCGTATCGTGG
 GACTCGGTGAGCTCCTGGAGGACTTCCAGAAGAAAGGAGTCCGCTGGCCTTTGTTGGCCTACAGGTGCC
 CGTGTCCGCACACTGTTGGCCGCTGACCTCAAGGGTCCGTTACTTACCACCTCTGGAGGAGGCTGAG
 AAATTCCTGCAGCAGGAACCAGGAAGTGAAGGATGCTGTTCCAGAGCAAAGGA
 GCTCCCTGCTCAAGTCTCCCTCCGGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219366 representing NM_178743
 Red=Cloning site Green=Tags(s)

MAPDTCCCSATALRRRLPVLAWVPDYSLQWLRLDFIAGLSVGLTVIPQALAYAIEVAGLPPQYGLYSAFMG
 CFVYFFLGTSRDVTLGPTAIMSLLVSFYTFREPAYAVLLAFLSGCIQLAMGLLHLGFLDFISCPVIKGF
 TSAASITIGFGQIKNLLGLQKIPRQFFLQVYHTFLHIGETRVGDAVLGLASMLLLLVLKCMREHMPPPH
 EMPLAVKFSRGLVWTVTTARNALVVSSAALIAYAFEVTGSHPFVLTGKIAEGLPPVRIPPFVTRDNKTI
 SFSEMVQDMGAGLAVVPLMGLLESIAVAKSFASQNNYRIDANQELLAIGL TNVLGSLVSSYPVTGSGFRT
 AVNAQTVCTPAGGLVTGALVLLSLNYL TSLFSYIPKSALAAVIIITAVTPLFDVKIFRSLWRVQRDLPL
 LCVTFLLSFWEIQYILAGSLVLLILLHSVARPKTQVSEGIQIFVLQPASGLYFPAIDALREAITNRALE
 ASPPRSAVLECTHISVDYTVIVGLGELLEDFQKKGVALAFVGLQVPVLRLLAADLKGFRTYFTLEEA
 KFLQEPGTEPNSIHEDAVPEQRSSLLKSPSGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9014_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178743

ORF Size: 1779 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_178743.3](#), [NP_848858.2](#)

RefSeq Size: 2692 bp

RefSeq ORF: 1782 bp

Locus ID: 268512

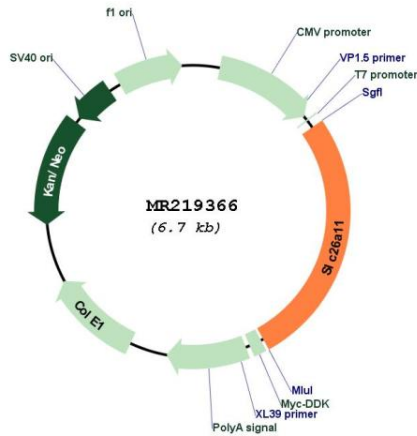
UniProt ID: [Q80ZD3](#)

Cytogenetics: 11 E2

MW: 64.6 kDa

Gene Summary: Exhibits sodium-independent sulfate anion transporter activity that may cooperate with SLC26A2 to mediate DIDS-sensitive sulfate uptake into high endothelial venules endothelial cells (HEVEC).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219366