

## Product datasheet for **MG219366**

### **Slc26a11 (NM\_178743) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc26a11 (NM_178743) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc26a11
Synonyms:	F630021I08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG219366 representing NM\_178743  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCACCAGACACATGCTGCTGCTGCTACGGCCCTGAGGAGGAGGCTACCCGTCCTGGCCTGGGTGC  
 CTGACTACTCTCTGCAGTGGCTGAGGCTGGACTTCATCGCTGGACTTTCGGTGGGACTCACCGTCATTCC  
 CCAGGCCCTGGCCTATGCAGAAGTGGCTGGACTCCACCCAGTACGGCCTCTACTCTGCCTTCATGGGA  
 TGCTTCGTGTATTTCTTCTGGGCACCTCCCGGGATGTACTCTGGGCCACCGCTATCATGTCTCTCC  
 TGGTGTCTTCTACACCTTCCGTGAGCCTGCCTATGCTGTGCTGCTTGCCTTCTGTCTGGGTGTATCCA  
 GCTGGCCATGGGGCTCCTGCATTTGGGGTTCCTGCTGGACTTCATCTCCTGCCCTGTCAATAAGGCTTC  
 ACCTCCGCTGCCAGCATACAATTGGCTTTGGACAGATCAAGAACCTGCTGGGATTGCAGAAAATCCCC  
 GGCAGTTCTTCTCCAGGTGTACCACACCTTCTCCACATCGGAGAGACCAGGTAGGCGACGCTGTCT  
 CGGACTGGCCTCCATGTTGCTGCTGCTTGTGCTGAAGTGTATCGGGGAACACATGCCTCCTCCCCATCCT  
 GAGATGCCCTTGCCGTGAAGTTCAGCCGTGGGCTGGTGTGGACTGTCAACAGCTCGCAATGCCCTGG  
 TGGTCTCCTCCGCGGCTCTGATTGCTTACGCCTTCGAGGTGACAGGATCCCATCCCTTTGTTCTGACTGG  
 AAAGATCGCCGAGGGGCTCCCTCCGGTGCAGTCCCACCTTCTCAGTGACCAGGGACAATAAGACCATC  
 TCGTTCTCTGAGATGGTGCAGGACATGGGGCCGGACTGGCTGTGGTACCTCTGATGGGGCTCCTGGAGA  
 GCATTGCCGTGGCCAAATCCTTCGCGTCTCAGAATAACTACCGCATTGATGCTAACCGAACTACTGGC  
 CATTGGCCTCACCAATGTGCTGGGCTCCCTCGTCTCCTTACCAGTCACTGGCAGCTTTGGGCGGACA  
 GCTGTGAATGCCAGACAGGGGTGTGTACCCCGCAGGAGGCTGGTACTGGTGCCTGGTGTCTGCTGT  
 CCCTGAACACTTGACCTCACTTCTCCTATATCCCCAAGTCTGCCCTGGCTGCCGTGATCATCACGGC  
 TGTGACCCCACTCTTGATGTCAAGATCTCAGGAGTCTCTGGCGGTTACAGAGGCTGGATCTGCTACCA  
 CTGTGTGTGACGTTCTGCTGCTTCTGGGAGATCCAGTACGGTATCCTGGCCGGTAGCCTGGTGTCTT  
 TGCTCATTCTCCTGCACTCGGTAGTAGGCCAAAGACTCAGGTGTGAGAAGGACAAAATTTTGTCTTCA  
 GCCGGCCAGCGCCTGTACTTCCCTGCAATTGATGCCCTCCGAGAGGCAATAACGAACCGGGCACTGGAA  
 GCATCCCCACCAGTCCCGGTTCTGGAGTGCACGCATATCAGCAGTGTAGACTACACCGTGATCGTGG  
 GACTCGGTGAGCTCCTGGAGGACTTCCAGAAGAAAGGAGTCCGCTGGCCTTTGTTGGCCTACAGGTGCC  
 CGTGCTCCGCACACTGTTGGCCGCTGACCTCAAGGGTCCGTTACTTACCACCTCTGGAGGAGGCTGAG  
 AAATTCCTGCAGCAGGAACCAGGAAGTGAAGGATGCTGTCCAGAGCAAAGGA  
 GCTCCCTGCTCAAGTCTCCCTCCGGCCCC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG219366 representing NM\_178743  
 Red=Cloning site Green=Tags(s)

MAPDTCCCSATALRRRLPVLAWVPDYSLQWLRLDFIAGLSVGLTVIPQALAYA EVAGLPPQYGLYS AFMG  
 CFVYFFLGT SRDVT LGPTAIMSLLVSFYTFREPAYAVLLAFLSGCIQLAMGLLHLGFLDLDFISCPVIKGF  
 TSAASITIGFGQIKNLLGLQKIPRQFFLQVYHTFLHIGETRVGDAVLGLASMLLLVLKCMREHMPPPH  
 EMPLAVKFSRGLVWTVTARNALVVSSAALIAYAFEVTGSHPFVLTGKIAEGLPPVRIPPFSVTRDNKTI  
 SFSEMVQDMGAGLAVVPLMGLLESIAVAKSFASQNNYRIDANQELLAIGLTNVLGSLVSSYPVTGSFGRT  
 AVNAQTVCTPAGGLVTGALVLLSLNYLTSLSFYIPKSALAAVIIITAVTPLFDVKIFRSLWRVQRDLPL  
 LCVTFLLSFWEIQYILAGSLVLLILLHSVARPKTQVSEGFVFLQPASGLYFPAIDALREAITNRALE  
 ASPPRSAVLECTHISSVDYTVIVGLGELLEDFQKKGVALAFVGLQVPLRLLAADLKGFRYFTTLEEA  
 KFLQEPGTEPNSIHEDAVPEQRSSLLKSPSPG

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-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](mailto: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

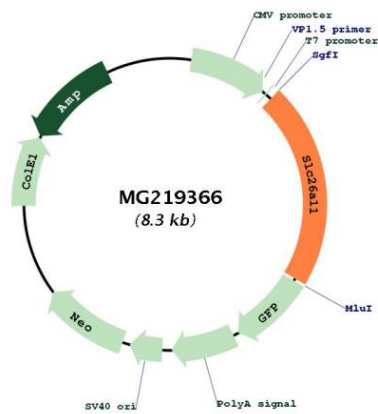
Locus ID: 268512

UniProt ID: [Q80ZD3](#)

Cytogenetics: 11 E2

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 MG219366