

## Product datasheet for **MG218396**

### **Slc12a9 (NM\_031406) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc12a9 (NM_031406) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc12a9
Synonyms:	CIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG218396 representing NM\_031406  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGCGAGAGCTCCCTCTTTTGGCCTACCGGCTTCTGGGGAAGAGGGGGCTGCCTTCCTCCCA  
 ATGGAGCTGGAGTATCTGGAGTGCCATCAGCCCGCAAGCTCTCCACCTTCTGGGTGGTGGTGGCCAC  
 GTTTCTGTCCATGTTTAGCATAGTCGTGTTTCTGAGGATTGGGTTCTGGTGGGCCACGCTGGGCTGTTG  
 CAGGCCTTGGCGATGCTACTGGTTGCCTACATCATTCTGGCACTAACAGTCCTCTCAGTGTGTGCCATTG  
 CCACCAATGGAGCTGTGAGAGGGGGCGGAGCCTACTTCATGATCAGCAGGACTCTGGGGCCGGAGTTGG  
 TGGCAGCATTGGCCTCATGTTCTACCTGGCTAACGTCTGTGGCTGTGCCGTATCCCTGCTGGGACTGGT  
 GAGTCTATACTGGACGTCTCGGGGCTGATGCCACAGGCTCCAGTGGGATCCAGGTTCTACCCAGGGTT  
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 TTTGTGGCAGTGGGACCCAGGAACATCCCGTAGCTCCTCGACCGGGCACCAATGCTTCCCGTGGCCAC  
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 GGACTACACCACAGGGGCATGATGACTTTCGCCAGTGTGTTTGTGCTCCTTCAACGGCTGCACGGGC  
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 TGTCTGTATTCTGGGGCTGGTGCAGCTGGTCTGCTGGCTGGGAAGCTCAACACATTGGCTGCTGTG  
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 GCTGATGATGTTTCTCATTAGTCTGGGGCCCGCGGGTCCCTTCTTCTCATGGGCTGCTTTCGGCT  
 CTTCTACCGCACGAGGAGGACCCAGCAGTGGGGTATGTGAGCAAGCCTTGTCTTCCACAGGTTCC  
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 GGTGGGAAACCCACGGGGTGCCTGCCTGCTTCGCTGGCCAACCAGCTAAGAAGGGGGGACTCTAT  
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 CATGGCTGAGCCTGGTGGACCTTGCCCAAGTGAAGGCCTTTGTGGATCTCACCTATCACCTCCGTGCG  
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 CCAGAGAGGGCGGGTACCAGCCCTGAGCACGCTGTTCCCTCCACCTCGGGCTCCTGGGAGCCCCAGGGC  
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 GGCAGTGTGGAGACCCTGAGCCGTGATCTGGGTCCCACCCTTCTATTACGGGGTCACTCCGGTAACC  
 TGCACTGATCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218396 representing NM\_031406  
 Red=Cloning site Green=Tags(s)

MASESSPLLAYRLLGEEGAFFPPNGAGVSGVPSARKLSTFLGVVPTVL SMFSIVVFLRIGFVVGHAGLL  
 QALAMLLVAYIILALTVLSVCAIATNGAVRGGGAYFMISRTLGPVEVGGSIGLMFYLANVCGCAVSLGLV  
 ESILDVFGADATGSSGIQVLPQYGWNLLYGSLLLGLVGGVCTLGAGLYARASFLTFLVSGSLASVLSV  
 FVAVGPRNIPLAPRPGTNASSVPHRHGHFTGFNGSTLRDNLGAGYAEDYTTGAMMTFASVFAVLFNGCTG  
 IMAGANMSGELKDPSSRAIPLGTIIAVAYTFFIYILLFLLSFTCDRALLQEDYGFRRDISLWPLVLI  
 YATALSASMSLIGASRILHALAQDDLFGVILAPAKVVS GGGNPWGAVLYSWGLVQLVLLAGKLNLA  
 AVTVFYLVAYA AVDLSCLSLEWASAPNFRPTFLSFSWHTCLLGVASCLLMMFLISPGAAGSLLLMGLLSA  
 LLTARGGPSSWGYYVQALLFHQVRKYLRLDVRKEHVKFWRPQLLLL VGNPRGALPLRLANQLKKGGLY  
 VLGHVTLGDLSDLPDPVQYQYGAWSLVDLAQVKAFVDLTLSPSVRQGAQHLLRISGLGGMKPNTLVLG  
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 VLA RACGALPPERLSRGSSSSAQLHHVDVWPLNLLRPRGGPGYVDVCGFLFLQMATILSMVPAWHSARL  
 RIFL CLGPREAPGAAEGRLRALLSQLRIRAQEVVWGEAETGEPEEEEEGDFVNGGRGDEEAEALACSANALV  
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 PVT CTDL

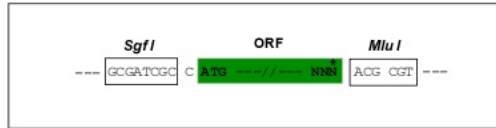
TRTRPLE - GFP Tag - V

Restriction Sites:

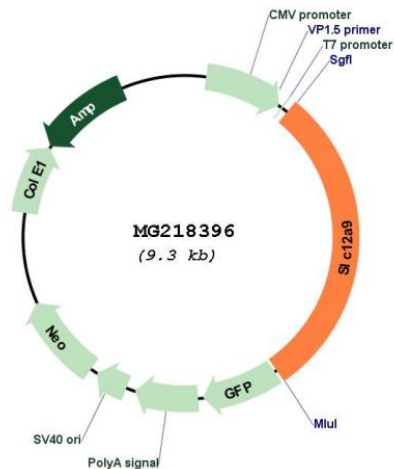
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_031406

ORF Size: 2742 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\\_031406.2](#)

RefSeq Size: 3315 bp

RefSeq ORF: 2745 bp

Locus ID: 83704

UniProt ID: [Q99MR3](#)

Cytogenetics: 5 G2

**Gene Summary:**

May be an inhibitor of SLC12A1. Seems to correspond to a subunit of a multimeric transport system and thus, additional subunits may be required for its function (By similarity).  
[UniProtKB/Swiss-Prot Function]