

## Product datasheet for **MG209835**

### Slc28a2 (BC055376) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc28a2 (BC055376) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc28a2
Synonyms:	Cnt2, B430217P18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG209835 representing BC055376  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGAGAAGTCAAAGGGAAGAAAGTCTGTTTCCAGGCCACAGTGGAGAATTGCATGGAGAACCAGGCC  
 TGGAACTCATGGAAGGCGGAAATCTTGAGCAAAGATACACACAGGAGGAAGTGACACAGGGACACAGCCT  
 GGAGGATGGCTTGGGGCATTCTCTCTTTGGAGCAGGAGGGTTTTTCAGCCTTTCACGAAGGCGAGAAGT  
 TTCTTTGAAAGACATGCTGGTTTATTCAGAAAGATCCTGCTTGGTCTCTTGTGTTTAGCTTATGCTGCCT  
 ACTTCTGGCAGCGTGCATCCTGAACTTCCAGAGGGCACTGGCCTTGTGTCATCACCTGTCTTGTGAT  
 CTTTCATCTGGCTTGCATTTTCTGAAAAAATCTTTCTAAAGAACAATAAGATGCTTGAAGCCTCTG  
 GAAAACACCCACCTGAATCTTTGGGCAAAGCGGGTGTTCGTAGGACTCTCTGTTGTTGGCCTCATCTCT  
 GGCTGGCTCTCGACACAGCTCAAAGACCAGAGCAGCTGATCTCTTTGCAGGAATCTGTATGTTTCATCT  
 CATCTCTTTGCCTGCTCAAACACCACAGTGCAGTGTGCTGGAGGACGGTGTGTTGGGGCCTGGGCCTT  
 CAGTTCATCTTTGGAATTTTGGTTCATCAGAACTGAACCTGGATTTAATGCATTTCAATGGCTGGGAGATC  
 AGATCCAGATTTTCTGGCTTATACTGTGGAAGGATCCAGTTTTGCTTTTGGTGATACACTGGTCCAAAA  
 TGTTTTGCTTTTTCAGTCTCTGCCAATCATTATTTTCTTCGGATGTGTGATGCTATTCTTTACTACCTG  
 GGCCTTGTGAGTGGGTGATTGAGAAGTTGCCTGGTCCCGCAAATTACCATGGGTACCACTGTGTCAG  
 AGACCTGGCCGTGGCAGGAAACATCTTTGGGGATGACAGAGGGCGCCTCTGCTCATCCGTCCTACCT  
 TGCAGACATGACCATCTGAAATCCATGCAGTCACTGAGGCTTTGCTACCATAGCAGGCACAGTG  
 TTGGGAGCCTTCATATCCTTTGGGATTGATGCATCCTTGTGTTCTGCCTCAGTGTGCTGCCCCTT  
 GTGCACCTTGCTTGTCCAACTGGTATATCCAGAAGTCAAGAGTCCAAGTTCAAGAGCAAGGAGGGACT  
 GAAGCTGCCTCGAGGGGAAGAGAGGAATATCCTGGAAGCTGCAAGCAATGGAGCCACAGATGCCATAAGC  
 CTTGTTGCTAATGTTGCAGCCAACCTGATTGCCTTTCTGGCTGTATTGGCCTTCATCAATGCTACCCCT  
 CTTGGCTGGGGAAATGGTGGATATCCATGGACTCAGTTTCCAGGTCACTGCTCCTATGCTCCTAAGGCC  
 CATGGTTTTCATGATGGGTGTACAGTGGCAGACTGCCACTGGTGGCTGAGATAGTGGGAGTCAAGTTC  
 TTCATAAATGAATTTGTGGCCTACCAGCAACTGTCTCAGTACAAGAACAACGTCCTCTGGAGTAGAAG  
 AGTGGATCAATGGCGAGAAACAGTGGATTTCTGTGAAAGCTGAAATCATTACAACATTTCCCTCTGTGG  
 ATTTGCCAATCTTAGTTCATAGGAATCACACTGGGAGGCTTGACATCCATGATACCCAGAGGAAGAGT  
 GACTTGTGCAAGATTGTGGTCAGGGCCCTTTACAGGTGCTGTGTTTCTTTATCAGTGCCTGCATGG  
 CAGGAATCCTCTATGTTCCAGAGGCGCTGAAACTGACTGTGCTCATTCCATAACACAAATTTACCAA  
 TAGAACCTATGAGACATATGTGTGCTGCAGAGAGCTTTTCCAGAGTACTTCGCTGAATGGACCAACATG  
 CCTTTCTCAGGCCCTGGCAAGACAATGTGTCCAGCCTCAGGAATCTTGCTAGCTGCTGTGACCTCT  
 ATACCAGCACTGTGTGTGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG209835 representing BC055376  
Red=Cloning site Green=Tags(s)

```
MEKSKGRKSVSQATVENCMENPGLLEMEGGNLEQRYTQEEVTQGHSLLEDGLGHSSLWSRRVFPFTKARS
FFERHAGLFRKILLGLLCLAYAAFLAACILNFQRALALFVITCLVIFILACHFLKFFPKEQLRCLKPL
ENTHLNLWAKRVFVGLSVVGLILWLALDTAQRPEQLISFAGICMFILILFACSKHHSAVCWRTVFWGLGL
QFIFGILVIRTEPGFNAFQWLGDQIQIFLAYTVEGSSFAFGDTLVQNVFAFQSLPIIIFFGCVMSILYYL
GLVQWVIQKVAWFPQITMGTTAAETLAVAGNIFVGMTEAPLLIRPYLADMTISEIHAVMTGGFATIAGTV
LGAFISFGIDASSLISASVMAAPCALALSKLVYPEVEESKFKSKEGLKLPGRGEERNILEAASNGATDAIS
LVANVAANLIAFLAVLAFINATLSWLGMVDIHGLSFQVICSYVLRPMVFMGMVQWADCPLVAEIVGVKF
FINEFVAYQQLSQYKNKRLSGVEEWINGEKQWISVKAIEITTFSLCGFANLSSIGITLGGTSMIPQRKS
DLCKIVVRALFTGACVSFISACMAGILYVPRGAETDCVSFLNTNFTNRTYETYVCCRELQSTSLNGTMM
PSFSGPWQDNVSSLRNLASCCDLTYSTVCA
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC055376

**ORF Size:** 1982 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:** [BC055376](#), [AAH55376](#)

**RefSeq Size:** 2815 bp

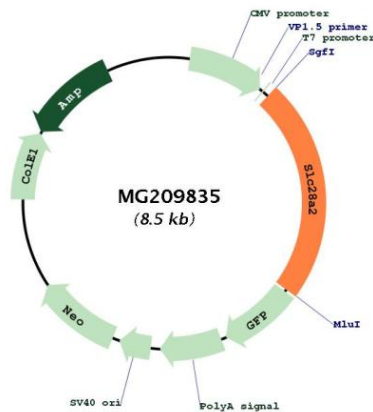
**RefSeq ORF:** 1982 bp

**Locus ID:** 269346

**Cytogenetics:** 2 E5

**Gene Summary:** Sodium-dependent and purine-selective. Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine) (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209835