

## Product datasheet for **MC227812**

### Slc29a1 (NM\_001199113) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc29a1 (NM_001199113) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc29a1
Synonyms:	1200014D21Rik; AA407560; ENT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC227812 representing NM\_001199113  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAACCAGTCACCAGCCTCAGGACAGGTATAAGGCAGTATGGCTTATCTTCTTTGTGCTGGCCTGG  
 GGACACTGCTCCCTGGAATTTTTTATGACCGCAACCAAGTATTCACAAACCGCCTGGACGTGTCCCA  
 GAATGTGTCTCGGACACTGATCAATCATGCGAAAGCACCAAGGCCTTGGCTGACCCACAGTGGCCTTG  
 CCAGCCCGGAGTTCTCTCAGTGCCATCTTCAACAATGTCATGACCCTGTGTGCCATGCTGCCCTTGTGG  
 TCTTCACCTGCCTCAACTCGTTTCTGCATCAGCGGATCTCTCAATCTGTTCCGGATCTTGGGCAGCCTGT  
 GGCAATCTGCTGGTATTCCTTGTCACTGCCGCCCTGGTGAAGGTGGAGATGGATGCTCTGATCTTCTTT  
 GTCATCACCATGATCAAGATTGTGCTCATCAATTCATTTGGTCCATTTTGAAGCCAGCCTTTTTGGTC  
 TGGCAGGTGTCTGCCAGCAACTACACAGCCCCATCATGAGTGGCCAGGGCCTGGCTGGCTTCTTCCAC  
 CTCTGTGCCATGATCTGTGCCATTGCCAGTGGTTCTGAGCTGTCAGAAAGCGCCTTTGGCTACTTCATC  
 ACAGCCTGTGCAGTTGTCAATTTGGCCATCCTGTGCTACCTGGCTCTGCCCTCGGACGGAATTCATCGCC  
 ATTACCTGCAGCTCAACCTTGGCGGGCCTGCAGAGCAGGAGACCAAGTTGGATCTCATAAGTAAAGGAGA  
 GGAGCCAAAAGGAAGAAGAGAGGAATCTGGGGTGCCAGGCCCAACTCTCCACCCACCAACAGAAACAG  
 TCTATCAAAGCCATACTTAAGAGTATCTGTGTCCCGGCTCTGTCTGTCTGCTTCACTTCCACGGTTACCA  
 TTGGGTTGTTCCCTGCTGTGACTGCTGAGGTGGAATCCAGCATCGCAGGCACAAGTCCCTGGAAAAGCTA  
 CTTTATCCCGTGGCCTGTTTCTGAATTTCAATGTCTTTGACTGGCTAGGCCGGAGCCTCACTGCTGTC  
 TGCATGTGGCCTGGCCAGGATAGCCGCTGGCTGCCGTTTTGGTCGCCTCGAGGATTGTGTTTATCCCC  
 TGCTGATGCTCTGCAACGTGAAGGCTCGCCACTGCGGCGCGCAGCGGCACCACTTCGCTTTAAGCATGA  
 CGCCTGGTTTATCGCCTTCATGGCTGCCTTTGCCTTCTCCAATGGCTACCTCGCCAGCCTCTGCATGTGC  
 TTCGGGCCAAGAAGTCAAACAGCTGAGGCGGAGACAGCAGGAAACATCATGTCTTCTTCTGTGTC  
 TGGCCTGGCTCTGGGAGCTGTGTGCTCTTCTTGTAAAGGGCACTTGT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001199113
- Insert Size:** 1383 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001199113.1](#), [NP\\_001186042.1](#)

**RefSeq Size:** 2107 bp

**RefSeq ORF:** 1383 bp

**Locus ID:** 63959

**UniProt ID:** [Q9JIM1](#)

**Cytogenetics:** 17 B3- C

**Gene Summary:** Mediates both influx and efflux of nucleosides across the membrane (equilibrative transporter). It is sensitive (ES) to low concentrations of the inhibitor nitrobenzylmercaptapurine riboside (NBMPR) and is sodium-independent. It has a higher affinity for adenosine. Resistant to dipyridamole and dilazep inhibition (anticancer chemotherapeutics drugs).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 3 encode the same protein.