

Product datasheet for **MC227799**

Slc29a1 (NM_001199116) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc29a1 (NM_001199116) 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: >MC227799 representing NM_001199116
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACAACCAGTCACCAGCCTCAGGACAGGTATAAGGCAGTATGGCTTATCTTCTTTGTGCTGGCCTGG
 GGACACTGCTCCCTGGAATTTTTTATGACCGCAACCAAGTATTCACAAACCGCCTGGACGTGTCCCA
 GAATGTGTCTCGGACACTGATCAATCATGCGAAAGCACCAAGGCCTTGGCTGACCCACAGTGGCCTTG
 CCAGCCCGGAGTTCTCTCAGTGCATCTTCAACAATGTCATGACCCTGTGTGCCATGCTGCCCTTGTGG
 TCTTACCTGCCTCAACTCGTTTCTGCATCAGCGGATCTCTCAATCTGTTTCGGATCTTGGGCAGCCTGT
 GGCAATCTGCTGGTATTCCTTGTCACTGCCGCCCTGGTGAAGGTGGAGATGGATGCTCTGATCTTCTTT
 GTCATCACCATGATCAAGATTGTGCTCATCAATTCATTTGGTGCCATTTTGAAGCCAGCCTTTTGGTC
 TGGCAGGTGTCTGCCAGCCAACACACAGCCCCATCATGAGTGGCCAGGGCCTGGCTGGCTTCTTCCAC
 CTCTGTGCCATGATCTGTGCCATTGCCAGTGGTTCTGAGCTGTCAGAAAGCGCCTTTGGCTACTTCATC
 ACAGCCTGTGAGTTGTCAATTTGGCCATCCTGTGCTACCTGGCTCTGCCCTCGGACGGAATTCATCGCC
 ATTACCTGCAGCTCAACCTTGGCGGGCCTGCAGAGCAGGAGACCAAGTTGGATCTCATAAGAGAGGAGCC
 AAAAGGAAGAAGAGAGGAATCTGGGGTGCCAGGCCCAACTCTCCACCCACCAACAGAAACCAGTCTATC
 AAAGCCATACTTAAGAGTATCTGTGTCCCGCTCTGTCTGTCTGCTTTCATCTTACCGTTACCATTGGGT
 TGTTCCCTGTGTGACTGCTGAGGTGGAATCCAGCATCGCAGGCACAAGTCCCTGGAAAAGCTACTTCAT
 TCCCGTGGCCTGTTTCTGAATTTCAATGTCTTTGACTGGCTAGGCCGGAGCCTCACTGCTGTCTGCATG
 TGGCCTGGCCAGGATAGCCGCTGGCTGCCGTTTTGGTCGCCTCGAGGATTGTGTTTATCCCTGCTGA
 TGCTCTGCAACGTGAAGGCTCGCCACTGCGGCGCGCAGCGCACCACTTCGTCTTTAAGCATGACGCCTG
 GTTCATCGCCTTCATGGCTGCCTTTGCCTTCTCCAATGGCTACCTCGCCAGCCTCTGCATGTGCTTCGGG
 CCCAAGAAAGTCAAACAGCTGAGGCGGAGACAGCAGGAAACATCATGTCCTTCTTCTGTGCTGGGCC
 TGGCTCTGGGAGCTGTGTGTCCTTCTGTTAAGGGCACTTGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001199116
- Insert Size:** 1377 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_001199116.1](#), [NP_001186045.1](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1377 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 (5) differs in the 5' UTR and uses an alternate in-frame splice site in the coding region, compared to variant 1. It encodes an isoform (2) that is two amino acids shorter than isoform 1. Variants 2, 4, and 5 encode the same protein.