

Product datasheet for **MC227813**

Slc29a1 (NM_001199114) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc29a1 (NM_001199114) 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: >MC227813 representing NM_001199114
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAACCAGTCACCAGCCTCAGGACAGGTATAAGGCAGTATGGCTTATCTTCTTTGTGCTGGCCTGG
 GGACACTGCTCCCTGGAATTTTTTATGACCGCAACCAAGTATTCACAAACCGCCTGGACGTGTCCCA
 GAATGTGTCTCGGACACTGATCAATCATGCGAAAGCACCAAGGCCTTGGCTGACCCACAGTGGCCTTG
 CCAGCCCGGAGTTCTCTCAGTGCATCTTCAACAATGTCATGACCCTGTGTGCCATGCTGCCCTTGTGG
 TCTTACCTGCCTCAACTCGTTTCTGCATCAGCGGATCTCTCAATCTGTTCCGGATCTTGGGCAGCCTGT
 GGCAATCTGCTGGTATTCCTTGTCACTGCCGCCCTGGTGAAGGTGGAGATGGATGCTCTGATCTTCTTT
 GTCATCACCATGATCAAGATTGTGCTCATCAATTCATTTGGTGCATTTTGAAGCCAGCCTTTTTGGTC
 TGGCAGGTGTCTGCCAGCAACTACACAGCCCCATCATGAGTGGCCAGGGCCTGGCTGGCTTCTTCCAC
 CTCTGTGCCATGATCTGTGCCATTGCCAGTGGTTCTGAGCTGTCAGAAAGCGCCTTTGGCTACTTCATC
 ACAGCCTGTGCAGTTGTCAATTTGGCCATCCTGTGCTACCTGGCTCTGCCCTCGGACGGAATTCATCGCC
 ATTACCTGCAGCTCAACCTTGGCGGGCCTGCAGAGCAGGAGACCAAGTTGGATCTCATAAGTAAAGGAGA
 GGAGCCAAAAGGAAGAAGAGAGGAATCTGGGGTGCCAGGCCCAACTCTCCACCCACCAACAGAAACAG
 TCTATCAAAGCCATACTTAAGAGTATCTGTGTCCCGGCTCTGTCTGTCTGCTTCACTTCCACGGTTACCA
 TTGGGTTGTTCCCTGCTGTGACTGCTGAGGTGGAATCCAGCATCGCAGGCACAAGTCCCTGGAAAAGCTA
 CTTTATCCCGTGGCCTGTTTCTGAATTTCAATGTCTTTGACTGGCTAGGCCGGAGCCTCACTGCTGTC
 TGCATGTGGCCTGGCCAGGATAGCCGCTGGCTGCCGTTTTGGTCGCCTCGAGGATTGTGTTTATCCCC
 TGCTGATGCTCTGCAACGTGAAGGCTGCCACTGCGGCGCGCAGCGGCACCACTTCGCTTTAAGCATGA
 CGCCTGGTTCATCGCCTTCATGGCTGCCTTTGCCTTCTCCAATGGCTACCTCGCCAGCCTCTGCATGTGC
 TTCGGGCCAAGAAGTCAAACAGCTGAGGCGGAGACAGCAGGAAACATCATGTCTTCTTCTGTGTC
 TGGCCTGGCTCTGGGAGCTGTGTGCTCTTCTTGTAAAGGGCACTTGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001199114
- 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_001199114.1](#), [NP_001186043.1](#)

RefSeq Size: 1946 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 (3) differs in the 5' UTR, compared to variant 1. It encodes isoform 1. Variants 1 and 3 encode the same protein.