

## Product datasheet for **MC228261**

### Slc33a1 (NM\_001272035) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc33a1 (NM_001272035) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc33a1
Synonyms:	Acatn; AI315656; AI788741; D630022N01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228261 representing NM\_001272035  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCACCGACCATCTCCACAAGGACAGCAGTCGGCAGCGCGGTGTCAGGCATGTTTAGCCACGCTCTGG  
 ATATGAAGAGTGGCCCGCTGCCACCGGGCGGCTGGGATGACAGTCGCCGAGACTCGGTGGCGGGGAGGG  
 GGACCGGGAAGTTCTTCTAGGTGATGCCGGCCCTGGTGACTTACCTAAAGCCCGCGGAGCTATAGATCC  
 GAACTAAGTAGCATTCTTACTACTCTTTCTTTACGTGCTTCAGGGCATTCCCTTAGGCCTGGCGGGGA  
 GCATCCCCCTCATTTTGCAAAGCAAAAATGTTAGCTATACAGATCAGGCTTTCTTCAGTTTTGTCTCTG  
 GCCATTCACTTAAGTTGCTCTGGGCTCCCTGGTTGATGCCGTCTACTTTAAGAACTTTGGTCGTCGC  
 AAGTCCTGGCTTGCCCTACTCAGTATACACTAGGAATCTTCATGATATTTATCCACTCAAGTGGACC  
 GTTTGCTCGGAAATATTGATGGCAGAACACCGGATGTAGTTGCTCTCACTGTGACATTCTCTTGTTTGA  
 ATTCCTGGCTGCCACACAGGACATCGCTGTGGATGGTTGGGCATTAAGTATGTTATCCCGGAAAACGTG  
 GGCTATGCTTCGACATGCAATTCTGTGGGCCAAACAGCTGGCTACTTTTTGGGCAATGTTTTATTTTTGG  
 CTCTTGAATCTGCTGACTTTTGTAAACAATACTTGCAGTTTCAGCCTCAACCCAGGGGAATCGTTACCCCT  
 TTCAGATTTTCTATTTTCTGGGAACTGTATTTTAAACAACAACATTAGTAGCCCTTCTGAAAAAA  
 GAAAACAGAGAAGCGTCAATAGTAAAAGAAGAGACCCAAGGGATCACAGACACTACAAGCTGCTATTCT  
 CAATTATAAAAAATGCCAGCAGTTCTGGCCTTTTGCCTTCTGATTCAACGTCAAAGATTGGCTTCTCAGC  
 AGCTGATGCTGTGACAGGCCTGAAGCTGGTGAAGAAGGGGTGCCTAAAGAGCACCTGGCCTTACTAGCT  
 GTCCCAATGGTCCCTCTGCAGATAATCCTGCCACTCCTCATCAGCAAGTATACTGCAGGTCGCCAGCCTC  
 TGAACATATTTTACAAAGCCATGCCCTACAGATTATTGCTTGGATTAGAATATGCTCTACTTGTGGTG  
 GACTCCTAAAGTAGAGCATCAAGGAGGATCCCTCTATATTACTATATTATAGTCTGCTGAGTTATGCA  
 TTACATCAGGTCCTCTGTACAGCATGTATGTGTGATAATGGCTTCAATGCCAAGGTCAGTGATCCTC  
 TTATTGGGGAAACATACATGACCCTTTTAAACTGTGTCTAATCTGGGAGGAACTGGCCTTCTACAGT  
 GGCTCTTTGGCTAGTGGATCCCCTCACAGTGAAGGAATGTGTAGGAGCTCAAACCAGAATTGTCGGACA  
 CCTGATGCTATCGAACTTTGCAAAAACTGGAGGCTCGTGTGTACAGCTCTGGATGGTTACTATGTGG  
 AATCCATTATCTGTGTTCTCATTGGATTTGGTTGGTGTCTTTCTTGGTCCAAAATTTAAAAAGTTACA  
 GGATGAAGGACCATCCTCATGGAAGTGCAAAAGGAACAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001272035
- Insert Size:** 1653 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001272035.1</a> , <a href="#">NP_001258964.1</a>
<b>RefSeq Size:</b>	2430 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	11416
<b>UniProt ID:</b>	<a href="#">Q99J27</a>
<b>Cytogenetics:</b>	3 E1
<b>Gene Summary:</b>	<p>Probable acetyl-CoA transporter necessary for O-acetylation of gangliosides (PubMed:10570973). Negatively regulates BMP signaling (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>