

Product datasheet for **MR230472**

Slc33a1 (NM_001272035) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230472 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACCGACCATCTCCACAAGGACAGCAGTCGGCAGCGCGGTGTCAGGCATGTTTAGCCACGCTCTGG
 ATATGAAGAGTGGCCCGCTGCCACCGGGCGGCTGGGATGACAGTCGCCGAGACTCGGTGGCGGGGAGGG
 GGACCGGGAAGTTCTTCTAGGTGATGCCGGCCCTGGTGACTTACCTAAAGCCCGCGGAGCTATAGATCC
 GAACTAAGTAGCATTTTGTACTACTCTTTCTTTACGTGCTTCAGGGCATTCCCTTAGGCCTGGCGGGGA
 GCATCCCCCTCATTTTGCAAAGCAAAAATGTTAGCTATACAGATCAGGCTTTCTTCAGTTTTGTCTCTG
 GCCATTCACTTAAGTTGCTCTGGGCTCCCTGGTTGATGCCGTCTACTTTAAGAACTTTGGTCGTCGC
 AAGTCCTGGCTTGCCCTACTCAGTATACACTAGGAATCTTCATGATATTTATCCACTCAAGTGGACC
 GTTTGCTCGAAATATTGATGGCAGAACACCGGATGTAGTTGCTCTCACTGTGACATTCTCTTGTTTGA
 ATTCCTGGCTGCCACACAGGACATCGCTGTGGATGGTTGGGCATTAAGTATGTTATCCCGGAAAACGTG
 GGCTATGCTTCGACATGCAATTCGTGGGCCAAACAGCTGGCTACTTTTTGGGCAATGTTTTATTTTTGG
 CTCTTGAATCTGCTGACTTTTGTAAACAATACTTGCAGTTTCAGCCTCAACCCAGGGGAATCGTTACCC
 TTCAGATTTTCTATTTTCTGGGAACTGTATTTTAAACAACAACATTAGTAGCCCTTCTGAAAAA
 GAAAACAGAGAAGCGTCAATAGTAAAAGAAGAGACCCAAGGGATCACAGACACTACAAGCTGCTATTCT
 CAATTATAAAAATGCCAGCAGTTCTGGCCTTTTGCCTTCTGATTCAACGTCAAAGATTGGCTTCTCAGC
 AGCTGATGCTGTGACAGGCTGAAGCTGGTGGGAAGGGGTGCCTAAAGAGCACCTGGCCTTACTAGCT
 GTCCCAATGGTCCCTCTGCAGATAATCCTGCCACTCCTCATCAGCAAGTATACTGCAGGTCGCCAGCCTC
 TGAACATATTTTACAAAGCCATGCCCTACAGATTATTGCTTGGATTAGAATATGCTCTACTTTGTTGGTG
 GACTCCTAAAGTAGAGCATCAAGGAGGATCCCTCTATATTACTATATTATAGTCTGCTGAGTTATGCA
 TTACATCAGGTCCTGTACAGCATGTATGTGTCGATAATGGCTTCAATGCCAAGGTCAGTGATCCTC
 TTATTGGGGAAACATACATGACCCTTTTAAACTGTGTCTAATCTGGGAGGAACTGGCCTTCTACAGT
 GGCTCTTTGGCTAGTGGATCCCCTCACAGTGAAGGAATGTGTAGGAGCTCAAACCAGAATTGTCGGACA
 CCTGATGCTATCGAAGTTTGCAAAAAAGTTGGAGGCTCGTGTGTACAGCTCTGGATGGTACTATGTGG
 AATCCATTATCTGTGTTCTCATTGGATTTGGTTGGTGGTCTTTCTTGGTCCAAAATTTAAAAAGTTACA
 GGATGAAGGACCATCCTCATGGAAGTCAAAAGGAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230472 protein sequence
 Red=Cloning site Green=Tags(s)

MSPTISHKDSSRQRSGMFSHALDMKSGPLPPGGWDDSRDSSVGGEGDREVLG DAGPGDL PKAPRSYRS
 ELSSILLLLFLYVLQGIPLGLAGSIPLILQSKNVSYTDQAFFSFVFWPFLKLLWAPLVDVYFKNFGR
 KSWLVPTQYTLGIFMIYLSTQVDRLLGNIDGRTPDVVALTVTFFLFEFLAATQDIAVDGWAL TMSRENV
 GYASTCNSVGQTAGYFLGNVFLALESADFCNKYLRFPQPRGIVTLDFFLFWGTVFLITTTLVALLKK
 ENREASIVKEETQGITDYKLLFSIIKMPAVLAFCLLILTSKIGFSAADAVTGLKLVVEGVKPEHLALLA
 VPMVPLQIILPLLISKYTAGPQPLNIFYKAMPYRLLLGLLEYALLVWVTPKVEHQGFPLYYIIVLLSYA
 LHQVTLYSMYVSIAMFNAKVSDPLIGGTYMTLLNTVSNLGGNWPSTVALWLDPLTVKECVGASNQNCRT
 PDAIELCKKLGSCVTALDGYVVEIICVLIIGFWWFLLGPKFKKLQDEGPSSWKCKRNN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001272035

ORF Size: 1653 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: [NM_001272035.1](#), [NP_001258964.1](#)

RefSeq Size: 2430 bp

RefSeq ORF: 1653 bp

Locus ID: 11416

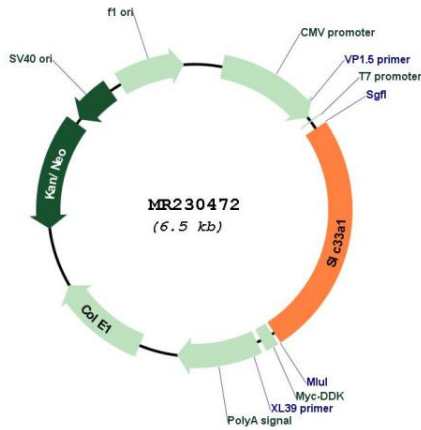
UniProt ID: [Q99J27](#)

Cytogenetics: 3 E1

MW: 61.1 kDa

Gene Summary: Probable acetyl-CoA transporter necessary for O-acetylation of gangliosides (PubMed:10570973). Negatively regulates BMP signaling (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230472