

Product datasheet for **MG208741**

Slc33a1 (NM_015728) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc33a1 (NM_015728) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc33a1
Synonyms:	Acatn; AI315656; AI788741; D630022N01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208741 representing NM_015728
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACCGACCATCTCCACAAGGACAGCAGTCGGCAGCGCGGTGTCAGGCATGTTTAGCCACGCTCTGG
 ATATGAAGAGTGGCCCGCTGCCACCGGGCGGCTGGGATGACAGTCGCCGAGACTCGGTGGCGGGGAGGG
 GGACCGGGAAGTTCTTCTAGGTGATGCCGGCCCTGGTGACTTACCTAAAGCCCGCGGAGCTATAGATCC
 GAACTAAGTAGCATTTTGTACTACTCTTTCTTTACGTGCTTCAGGGCATTCCCTTAGGCCTGGCGGGGA
 GCATCCCCCTCATTTTGCAAAGCAAAAATGTTAGCTATACAGATCAGGCTTTCTTCAGTTTTGTCTCTG
 GCCATTCACTTAAGTTGCTCTGGGCTCCCTTGGTTGATGCCGTCTACTTTAAGAACTTTGGTCGTCGC
 AAGTCCTGGCTTGCCCTACTCAGTATACACTAGGAATCTTCATGATATTTATCCACTCAAGTGGACC
 GTTTGCTCGGAAATATTGATGGCAGAACACCGGATGTAGTTGCTCTCACTGTGACATTCTTCTTGTTTGA
 ATTCCTGGCTGCCACACAGGACATCGCTGTGGATGGTTGGGCATTAAGTATGTTATCCCGGAAAACGTG
 GGCTATGCTTCGACATGCAATTCGTGGGCCAAACAGCTGGCTACTTTTTGGGCAATGTTTTATTTTTGG
 CTCTTGAATCTGCTGACTTTTGTAAACAATACTTGCAGTTTCAGCCTCAACCCAGGGGAATCGTTACCC
 TTCAGATTTTCTATTTTCTGGGAACTGTATTTTAAACAACAACATTAGTAGCCCTTCTGAAAAA
 GAAAACAGAGAAGCGTCAATAGTAAAAGAAGAGACCCAAGGGATCACAGACACTACAAGCTGCTATTCT
 CAATTATAAAAATGCCAGCAGTTCTGGCCTTTTGCCTTCTGATTCTAACGTCAAAGATTGGCTTCTCAGC
 AGCTGATGCTGTGACAGGCCTGAAGCTGGTGGGAAGGGGTGCCTAAAGAGCACCTGGCCTTACTAGCT
 GTCCCAATGGTCCCTCTGCAGATAATCCTGCCACTCCTCATCAGCAAGTATACTGCAGGTCCCAGCCTC
 TGAACATATTTTACAAAGCCATGCCCTACAGATTATTGCTTGGATTAGAATATGCTCTACTTTGTTGGTG
 GACTCCTAAAGTAGAGCATCAAGGAGGATCCCTCTATATTACTATATTATAGTCTGCTGAGTTATGCA
 TTACATCAGTCACTCTGTACAGCATGTATGTGTCGATAATGGCTTCAATGCCAAGTCAAGTATGCTCCTC
 TTATTGGGGAACATACATGACCCTTTTAAACTGTGTCTAATCTGGGAGGAACTGGCCTTCTACAGT
 GGCTCTTTGGCTAGTGGATCCCCTCACAGTGAAGGAATGTGTAGGAGCTCAAACCAGAATTGTCGGACA
 CCTGATGCTATCGAACTTGCAAAAAATTGGAGGCTCGTGTGTACAGCTCTGGATGGTACTATGTGG
 AATCCATTATCTGTGTTCTCATTGGATTTGGTTGGTGTCTTTCTTGGTCCAAAATTTAAAAAGTTACA
 GGATGAAGGACCATCCTCATGGAAGTCAAAAGGAACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208741 representing NM_015728
 Red=Cloning site Green=Tags(s)

MSPTISHKDSSRQRRSGMFSHALDMKSGPLPPGGWDDSRRDSVGGEGDREVLVLDAGPGDLPKAPRSYRS
 ELSSILLLLFLYVLQGIPLGLAGSIPLILQSKNVSYTDQAFFSFVFWPFLKLLWAPLVDVYFKNFGRR
 KSWLVPTQYTLGIFMIYLSQVDRLLGNIDGRTPDVVALTVTFVFLFEFLAATQDIAVDGWALTMLSRENV
 GYASTCNSVQTAGYFLGNVFLALESADFCKYLRFPQPRGIVTLDFFLFWGTVFLITTTVALLLK
 ENREASIVKEETQGITDITYKLLFSIIKMPAVLAFCLLILTSKIGFSAADAVTGLKLVVEGVPKEHLALLA
 VPMVPLQIILPLLISKYTAGPQPLNIFYKAMPYRLLLGLYALLVWVTPKVEHQGGFPLYYYIIVLLSYA
 LHQVTLYSMYVSIAMFNAKVSDPLIGGTYMTLLNTVSNLGGNWPSTVALWLDPLTVKECVGASNQNCRT
 PDAIELCKKLGSCVTALDGYVVEIICVLIIGFWWFLLGPKFKKLQDEGPSSWKCKRNN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_015728
ORF Size:	1650 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:	<ol style="list-style-type: none">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_015728.5
RefSeq Size:	3109 bp
RefSeq ORF:	1653 bp
Locus ID:	11416
UniProt ID:	Q99J27
Cytogenetics:	3 E1
Gene Summary:	Probable acetyl-CoA transporter necessary for O-acetylation of gangliosides (PubMed:10570973). Negatively regulates BMP signaling (By similarity).[UniProtKB/Swiss-Prot Function]