

Product datasheet for **RR207030**

Slc33a1 (NM_022252) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc33a1 (NM_022252) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc33a1
Synonyms:	Acatn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207030 representing NM_022252
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACCGACCATCTCCACAAGGACAACAGTCGGCAGCGCGGTGTCAGGCATGTTCCGGTACGCTCTGG
 ATATGAAGAGTGGCCCCCTGCCACCGGGCGGCTGGGATGACAATACCAAGACTCGGTGGCGGGGAAGG
 GGACCGGGAAGTTCTTCTGGGGATGTCGGCCCTGGTACTTCCCAAAAGCCAAGAGGAGCTATAGAGCC
 GAACTAAGTAGCATTTTGTACTACTCTTTCTTTACGTGCTTCAGGGCATTCCCTTAGGCCTGGCGGGGA
 GCATACCCTCATTTTGCAGAGCAAAAATGTTAGCTATACAGATCAAGCTTTCTCAGTTTTGTCTTCTG
 GCCATTAGTCTTAAGCTGCTCTGGGCTCCCTGGTTGATGCCGTCTACTTTAAGAACTTCGGTCGTCGC
 AAGTCTGGCTTGTCCCTACTCAGTATACTAGGAATCTTCATGATTTATTTATCCACTCAAGTGGACC
 GTTTGCTTGAAATATTGATGGCAGAACACCGGATGTAGTTGCTCTCACTGTGACTTTCTTTTTGTTTGA
 ATTCCTGGCCGCCACACAGGACATCGCTGTGGACGGTTGGGCATTAAGTATGTTATCCCGGAAAACGTG
 GGCTATGCTTCGACATGCAATTCGTGGGCCAAACAGCAGGCTACTTTTTGGGCAATGTTTTGTTTTGG
 CTCTTGAATCTGCTGACTTTTGTAAACAATATTTGCGGTTTCAGCCTCAACCCAGGGGAATCGTTACCCT
 TTCAGATTTTCTATTTTCTGGGAACTGTATTTTAAATAACAACAACATTAGTAGCCCTTCTGAAAAAA
 GAGACCAGAGAAGCGTCAGTAGTAAAAGAAGAGACACAAGGGATCACAGACACATACAAGCTGCTTCT
 CAATTATAAAAATGCCAGCAGTTCTGGCGTTTTGCCTTCTGATTCAACTCAAAGATTGGCTTTTCAGC
 AGCAGATGCGGTGACAGGCCTGAACTGGTAGAAGAGGGAGTGCCTAAGGAGCACCTGGCCTTACTGGCT
 GTCCCAATGGTCCCCCTGCAGATAATCCTGCCCTCCTCATCAGCAAGTACACGGCAGGTCCTTGTGGT
 TGAATATATTTTACAAAGCCATGCCCTACAGATTGTTGCTTGGATTAGAGTACGCCCTCCTTGTGGT
 GACTCCTAAAGTAGAGCATCAAGGAGGATTCCTATATATTACTACATCATAGTGTCTGCTGAGCTATGCC
 TTACATCAGGTCCTCTGTACAGCATGTATGTGTCAATAATGGCTTTCATGCCAAGGTCAGTGATCCTC
 TTATTGGAGGAACATACATGACCCTTTTAAATACTGTGTCCAATCTGGGAGGAACTGGCCTTCTACAGT
 GGCGCTTTGGCTAGTGGATCCCCTCACAGTGAAGGAGTGTGTAGGAGCTTCAAACAGAAGTGTGGGACA
 CCTGAGGCTATCGAACTTGCAAAAGCTTGGCGGCTCGTGCCTTACAGCTCTGGATGGTTATTATGTGG
 AATCCATTGTCTGTGTTCTCATTGGATTTGGTTGGTGGTCTTTCTTGGTCCAAAATTTAAAAGTTACA
 GGATGAAGGACCGTCTCATGGAAGTCAAAAGGACCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207030 representing NM_022252
 Red=Cloning site Green=Tags(s)

MSPTISHKDNSRQRSGMFGHALDMKSGPLPPGGWDDNHQDSVGGEGDREVLGDIVGPGDFPKAKRSYRA
 ELSSILLLLFLYVLQGIPLGLAGSIPLILQSKNVSYTDQAFFSFVFWPFLKLLWAPLVDVYFKNFGRR
 KSWLVPTQYILGIFMIYLSQVDRLLGNIDGRTPDVVALTVTFFLFEFLAATQDIAVDGWALTMLSRENV
 GYASTCNSVGQTAGYFLGNVFLALESADFCKYLRFPQPRGIVTLDFFLFFWGTVFLITTTLVALLKK
 ETREASVKEETQGITDYKLLFSIIKMPAVLAFCLLILTSKIGFSAADAVTGLKLVVEGVPEHLALLA
 VPMVPLQIILPLLIISKYTAGPQPLNIFYKAMPYRLLLGLYALLVWVTPKVEHQGGFPIYYYIIVLLSYA
 LHQVTLYSMYVSIAMFNAKVSDPLIGGTYMTLLNTVSNLGGNWPSTVALWLDPLTVKECVGASNQNCRT
 PEAIELCKKLGSCVTALDGYVVEIVCVLIGFVWFFLGPFKKLLQDEGPSSWKCKRTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_022252

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:
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_022252.2](#), [NP_071588.2](#)

RefSeq Size: 1994 bp

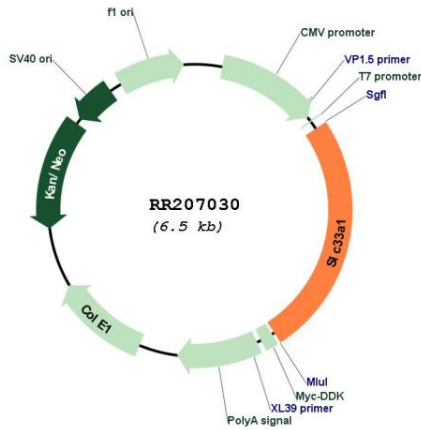
RefSeq ORF: 1653 bp

Locus ID: 64018

UniProt ID: [Q6AYY8](#)

Cytogenetics: 2q31
MW: 61.1 kDa
Gene Summary: acetyl CoA transporter involved in ganglioside O-acetylation; may function in embryonic development of the nervous system [RGD, Feb 2006]

Product images:



Circular map for RR207030