

Product datasheet for **MR209343**

Slc44a3 (NM_145394) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc44a3 (NM_145394) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc44a3
Synonyms:	BC010552
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209343 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTATTCGGTGGTGGCCGGGCGAGCAGGAAGACTCCTCTTTGGATATGACAGCTTTGGCAACGTG
 GTGGCAAGAAGAACTCCCAAGTGAAGGAGCCCCCTCTCCGGGAGGACATGACTCTAAAAAACACGT
 GTTCTTTATGAATGCCTGCAATCTTGAAGTCAAAGACAGGGGTCTTGGTCCACAGCCCTCTGTGTATCC
 AGCTGTCTGAGAAGCAGCTGGACACTCTGGAAGAGGTCCAGCTTTTGGCAACATCAACGGCTCTTTCC
 TGTGTGTGTATAGTTGAATTCCTTCAACTACACTCAGAGTTCAAGTGCAGACACACTGTGTCCAGGCT
 CCCGGTTCCTCAAGCAAGCCCTTCCCTATTTAACCGGTGCATCCCTCAGACACCCGAGTGCTATTCC
 TTGTTTGCATCAGTCTTGATAAATGATGCGGACGCTCTCCATCGGATTCTAAGTGAATAATGGCGGGAA
 GAGACACCATCCTCGGCCTGTGTCTTACATTCGCCCTGTCTCTGGCCATGTTGTTGCCTTCCGGTT
 CATCTCGACCCTTCTGATCCACATTATCATCTCCTTGGTCATTTTGGGATTGCTGTTCTGCTGCGGTGTC
 TTATGGTGGCTGTATTATGACTACACCAACGACCTCAGTACAGAACTGGACACAGAAAAGGAGAATATGA
 ATTGTATGCTAGCCTTTGCCATCATCTCTACAGTCGTGACAGTCTTCTCCTGGCCTTGATTTTTACCTT
 CAGGAAGAGGATAAAATTGACAGTTGAGCTTCTCCACGTCACAAACAAAGCCATCAGCAGCTGCTCTTTC
 CTGCTGTTCCAGCCACTGTGGACGTGTGCCATCCTCATTTTCTTGGTCCCTCTGGGTGGCTGTGCTGC
 TGAGCCTGGGCACTGCTGGTACTGCCAGGTGATGGAAGGTGGCCAAGTGAATAAAGCCTCTTTCCGG
 CATTCCGTATATGTGGTGGTACCATTTAATTGGCTCATCTGGACTAGCGAATTCATCCTTGATGCCAG
 CGGATGACTGTAGCAGGAGCAATGGTTGCTTGTATTTCAACAGGAATCAAAATGACCCTCTGCCGTC
 CAATCCTTTCTGCTCTCTTCGACTTTTTCTGCTACCATCAAGAACTGCGGTGAAAGGGTCATTTTACT
 CACTGTGACAAGGATCCCAAGAGTCATTTTCATGTGATTTATAGCACTCTGAAAGAGCCGACGGCAGT
 GCTTGGTCAAGAGGTGAATTGATGCAGCCACTGTGGGCTTTGGTGTCTCCTTAAATATCTGTACCATC
 TCAACCAGGATGCGTACACTGCAACTGCCATTAACGGGACAGACTTTTGTACATCCGAAAAGATGCGCA
 CACAATCATAGCCAAGAATTCAAGTCACTCACGTCTGTTAACTGCTTTGGAACTTTGTCAATTTCTG
 GGAAAGGTGCTAGTGGTGTGCTTACGATTTTCCGGGGTCTGATGGCGTTAACTACAGCCGTGCGCTCC
 AGGTGTGGCCATCCCTCTGCTGCTGGTGCCTTTTTTGCCTGTGTGGTGGCTCACAGTTTCTATCCGT
 GTTTGAACTGCGCTGGATATCCTTTTCTGTGCTTTGCTGTGGACCTGGAACAATGACGGATCGTCC
 GAGAAACCGTACTTTATGGACCCAGGGTTTTTGTGTTATAAAACGGACCAACAACCTTGAACAATGCCA
 AGTCTCAAGGACAAAAGGATGCTTTACCAATGAAGAGGGGACAGAAGCTCCAGCCCATTTGTGAGA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209343 protein sequence
 Red=Cloning site Green=Tags(s)

MGYSVVAAGRLLFGYDSFGNVCCKNSPVEGAPLSGQDMTLKKHVFFMNACNLEVKDRGLGPTALCVS
 SCPEKQLDLEEVLQFANINGSFLCVYSLNSFNYSQSSADTLCPRLPVPPSKPFPLFNRCIPQTPECYS
 LFASVLIINDADALHRILSGIMAGRDTILGLCVFTFALSLAMLFARFISTLLIHIIISLVILGLLFVCGV
 LWWLYDYDNDLSTELDTEKENMNCMLAFAIISTVVTVLLLLALIFTLRKRIKLTVELLHVTKAIISSCPF
 LLFQPLWTCAILIFFFWLVWAVLLSLGTAGTAQVMEGGQVEYKPLSGIRYMWYHLIGLIWTSEFILACQ
 RMTVAGAMVACYFNRNQNDPPARPILSSLFVLFVFCYHQGTAVKGSFLLTVTRIPRIVFMCIYSTLKEPQRS
 AWSRGEFRCSHGLWCLLKLYLHNLQDAYTATAINGTDFCTSAKDAHTIIAKNSSHLTSVNCFGNFVIFL
 GKVLVVCFSIFGGLMAFNYSRALQVWAIPLLLVAFFACVVAHSFSLVFETALDILFLCFVAVDLETNDGSS
 EKPYFMDPGFLSVIKRTNNLNNAKSQGGKDALPNEEGTELQPIVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_145394

ORF Size: 1818 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_145394.1](#), [NM_145394.2](#), [NP_663369.1](#)

RefSeq Size: 2589 bp

RefSeq ORF: 1971 bp

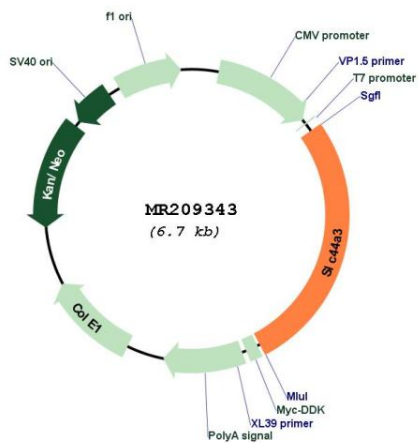
Locus ID: 213603

UniProt ID: [Q921V7](#)

Cytogenetics: 3 G1

MW: 67.3 kDa

Product images:



Circular map for MR209343