

Product datasheet for **MR215493**

Slc24a2 (NM_001110240) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc24a2 (NM_001110240) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc24a2
Synonyms:	2810021B17Rik; 6330417K15Rik; AI847460; Nckx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR215493 representing NM_001110240
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATCTCCACCAAAGCCCCACAGCCAGGCTCCTGCAGAAATGGTGTCCCATGAGTCACCATTGGCT
GCAGGAGACATTATAATAGCAGGAAAAACTGAAGCTAATTCGAGTCATTGGCCTTGTATGGCCCTGGT
AGCTGTGAGCACTGTCCATTTTCAATCAGTGCCTTTACTGAGACAGACTCTCAGAGCAACAGAGGAGAA
GCCAGTGATATGAGTGGCCCCAGAGTAGCACAGGGTCACCGTCAAAGAACTCTCTTAGACTTAAATGACA
AGATTCGAGATTACCCCCACAGCCACCTGCTTCTCAGGAAGACCAAGCTGAGAACAGTACTGAGCACAC
CCAGGGGAGACTACCCAAAGGACATCTTTCCCTGGAGGAGCGAAGGAAAGGTGCCATCATTCTGCATGTC
ATTGGGATGATCTATATGTTTATAGCATTAGCCATCGTCTGTGATGAGTCTTTGTTCTCTCTAACTG
TCATCACTGAAAACTGGGAATCTCTGATGATGGCTGGAGCCACCTTCATGGTGCAGGCGGGTCAGC
CCCAGAACTTTTACGTCTCTTATAGGGGTCTTCATTGCTCACAGCAATGTCGGCATTGGCACCATCGTG
GGTTCGCGGTGTTCAATATTCTCTTTGTTATTGGCATGTGTGCTCTGTTTTCTAGAGAAATCCTAAACC
TGACCTGGTGGCCGCTCTTTCGGGATGTGTCTTCTACATCGTTGATTGCTCATGTTGATCACATTTTT
CCTGGATAACGTTATCATGTGGTGGGAAAGCTTACTCCTCTTAACAGCTTATTTGCGCTATGTGGTTTTT
ATGAAGTTCAACGTCCAAGTAGAGAGATGGGTGAAGCAATGATATCTCGCAATAATGTTATCAAGGTGA
CAGTGCCAGAAGCCAAAGCAAGCTCTCAGAATCCCTCCAGCCTCACAGGCAGATGGGAGGACAGCTTG
CCCTACAATAACAAATGACCCGACTGCCAGAGTCTGTGTTTCGAGGTCTACCCTGAGACAGCCAGGCAT
GGTCTGCATAACGAATGTGAATGGAGAGCCGCTGAAAGAAAAGACCCAGAACAGCTGTATGGAAGAGT
CACCTACAGCTGGGGACAAGGATGGGCCAACTTTACCGTGAAGCCACGCCTCCAACGAGGCGGAAGCTC
TGCTCCCTCCACAACAGTCTCATGAGGAATAGCATCTTCCAGCTCATGATACACACCCTTGACCCACTC
GCTGAAGGGAGGTTGAGAGAAAAAGCTTCAATTCTCCACAAGATCGCAAGAAGAAATGCCAAGTGGATG
AGAATGAGAGGCAGAATGGGGCTGCCAATCATGTGAAAAAATTGAACTCCCAACAGCACAAAGCACAGA
GGTGGAAATGACGCCATCGAGCGAAGCTTCGGAACCCGTCCAGAATGGAACCTCTCCACAACATTGAA
GCTGCAGATGCCCGAAGGCCACAGAGACTGCCGAGGAAGAAGATGACCAGCCCTCAGCTTGTCTGCGC
CGACCAACACCCGCAAGCAAGCCACCTTCTAATCGTTTTTCCATTGTGTTCCCTCTCTGGATCACCTT
ACCTGACGTCGAAAACCTGCTTCCAGGAAGTTCTTCCCTATCACATTCTCGGCTCCATCACCTGGATT
GCAGTTTTTCTCATACCTGATGGTGTGGTGGGCACACCAGTTGGAGAGACAATCGGCATTAGTGAAGAAA
TCATGGGTCTGACCATCTGGCTGCTGGGACCTCTATCCCTGATCTTATCACCAGTGTATAGTGGCCCG
AAAGGGCCTGGGGACATGGCTGTGTCCAGCTCTGTTGGAAGCAACATCTTTGACATCACTGTGGGGCTC
CCACTGCCCTGGCTCCTACACCATCATCCACAGATTAGCCAGTACTGTCAGCAGCAATGGCCTCT
TCTGTGCCATCGTCTTCTTTCATCATGTTGCTTTTTGTATTCTCTCCATCGCCCTCTGCAAATGGCG
GATGAACAAAATCCTCGGCTTATCATGTTTGGCCTCTACTTCGTGTTCTGGTGGTCAGCGTCTCCTG
GAAGACAAAGTTCTCGTGTGCCCTGTCTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215493 representing NM_001110240
 Red=Cloning site Green=Tags(s)

MDLHQSPARLLQKWCSHESPFGCRRHYSRKKLKLIRVIGLVMGLVAVSTVPFISAFETETDSQSNRGE
 ASDMSGPRVAQGHRQRTLLDLNDKIRDYTPPPASQEDQAENSTEHTQGDYPKDIFSLERRKGAIIHV
 IGMIIYMFIALAIVCDEFFVPSLTVITEKLGISDDVAGATFMAAGGSAPELFTSLIGVFIAHSNVGIGTIV
 GSAVFNILFVIGMCALFSREILNLTWWPLFRDVSFYIVDLLMLITFFLDNVIMWVESLLLLLTAYFAYVVF
 MKFNVQVERWVKQMI SRNNVIKVTYPEAQAKLSEFPASQADGRTACPTITNDPDCQSLCFEVYPETARH
 GSCITNVNGEPLKEKTQNSCMEESPTAGDKDGPTLPSKPRLQRGSSASLHNSLMRNSIFQLMIHTLDPL
 AEGRFREKASILHKIAKKKQVDENERQNGAANHVEKIELPNSTSTEVENTPSSEASEPVQNGLSHNIE
 AADAPKATETAEEEDDQPLSLSWPTNTRKQATFLIVFPIVFLWITLDPVRKPARKFFPITFFGSIWVI
 AVFSYLMVWWAHQVGETIGISEEIMGLTILAAGTSIPDLITSVIVARKGLGDMAVSSSVGSNIFDITVGL
 PLPWLLYTIHRFSPVTVSSNGLFCAIVLLFIMLLFVILSIALCKWRMNKILGFIMFGLYFVFLVSVLL
 EDKVLVCPVSI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001110240

ORF Size: 2133 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_001110240.1](#), [NP_001103710.1](#)

RefSeq Size: 10516 bp

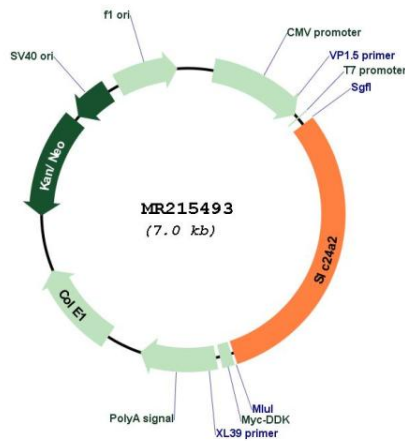
RefSeq ORF: 2136 bp

Locus ID: 76376

Cytogenetics: 4 C4

MW: 79.4 kDa

Product images:



Circular map for MR215493