

Product datasheet for **MR209266**

Slc24a3 (NM_053195) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Slc24a3
Synonyms:	NCKX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR209266 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATCTCATTGGGGAAGATAGAAAATGGATGGTGGGAGGAAGCTGATGCAGGTGAATGATACACTGA
 CTTCTGAAGATGCAGGGCTCCAGAGCAGCAAGAACTGCACAGAACCAGCCCTGCATGAATCCCCAGGGA
 CATCTTCTCCAATGAAGACCGACGACAGGAGCAGTGGTCTCCACGTGCTCTGTGCCATGTACATGTTT
 TATGCGCTGGCCATTGTGTGCGATGACTTCTTCGTCCCATCCTTGAAAAGATCTGTGAGCGCTCCACC
 TCAGTGAAGATGTGGCAGGAGCCACATTCATGGCAGCAGGCAGCTCGCCCCAGAGCTGTTACGTCGGT
 CATAGGAGTCTTCATCAGAAAGGGTATGTGGGAGTTGGCACCATCGTGGGCTCTGCCGTGTTCAACATC
 CTGTGCATCATTGGCGTCTGCGGGCTCTTTCAGGGCAGGTGGTGGCTCTTCTCCTGGTGCCTGCTGA
 GGGACTCCATCTACTACACGCTGTCTGTGGTGCACCTATTGTGTTCAATACGATGAAAAAGTTTCTTG
 GTGGGAATCTCTAGTCTTGTGCTGATGTACCTCATCTATATCGTCATCATGAAATACAATGCGTGATA
 CACCAGTGCTTCGAAAGGAGGACGAAAGGTGCCGGGAACATGGTCAACGGATTGGCCAACAACGAGAAA
 TCGACGACAGCAGCAACTGCGATGCCACTGTGGTGCTACTCAAGAAAGCCAATTTCCACCGCAAAGCGTC
 CGTGATCATGGTGGATGAGTGCTGTCTGCCTACCCACACAGCTTTCTTCTCTGAGGCTGGCCTTCGA
 ATTATGATCACAAGCCACTTTCTCCCAAGACCCGCTCTCCATGGCCAGTCGATGTTAATCAATGAGA
 GACAAAGACTGATAAACAGCAGGGCCTATACCAATGGGGAATCTGAAGTGGCCATCAAAATCCCAATTAA
 GCACACAGTGGAGAACGGAACAGGGCCAGCAGTGCCTCAGACAGGGGTGTGAACGGAACCCGGAGGGAC
 GACATAGTTGCTGAGACTGACAATGAGACAGAGAACGAGAATGAAGACAATGAGAATAACGAGAATGATG
 AAGAGGAGGAGGAGGATGAAGATGACGATGAAGGCCCTACACGCCGTTGACCCCCCTCTGGCAAAT
 GGAAATGTGAAATGGGCTTTACCTGGCCACTGAGCTTTGTCTTACTTCACTGTCCCCAACTGTAAC
 AAACCCCACTGGGAGAAGTGGTTTATGGTGACATTGCTTCTCTACGCTATGGATCGCAGCCTTCTCCT
 ACATGATGGTGTGGATGGTTACCATCATCGGCTACACACTAGGGATCCCTGATGTATCATGGGGATCAC
 CTTCTGGCTGCCGAACAGCGTGCCAGACTGCATGGCCAGCCTCATTGTAGCCAGACAAGGGATGGGG
 GATATGGCTGTGTCCAATTCCATTGGGAGCAACGTCTTTGACATCTTGATTGGGCTCGGTCTTCCCTGGG
 CTCTGCAGACTCTGGCTGTAGACTACGGATCCTATATTCGGCTGAATAGCAGAGGGCTCATCTACTCCGT
 GGGCTTGCTCCTGGCTCTGTCTTTGTACGGTCTTTGGTGTTCATTGAACAAGTGGCAGCTGGACAAG
 AAGCTGGGCTGTGGATGCCTCTTCTGTACGGCGTGTCTCTGTTCTCCATCATGACGGAGTTCAACG
 GTTTCACCTTTGTGAACCTGCCCATGTGTGGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209266 protein sequence
 Red=Cloning site Green=Tags(s)

MDLIGEDRKWMVGRKLMQVNDLTSEDAGLQSSKNCTEPALHEFPRDIFSNEDRRQGAVVLHVLCAMYMF
 YALAIVCDDFFVPSLEKICERLHLSDEVAGATFMAAGSSAPELFTSVIGVFITKGDVGVTIVGSAVFNI
 LCIIIGVCGLFAGQVVALSSWCLLRDSIYYTLSVVALIVFIYDEKVSWWESLVLVLMYLIYIVIMKYNACI
 HQCFERRTKGAGNMVNLANNAEIDDSSNCDA TVLLKKANFHRKASVIMVDELL SAYPHQLSFSEAGLR
 IMITSHFPKTRL SMASRML INERQRL INSRAYTNGESEVAIKIPIKHTVENGTGPSSAPDRGVNGTRRD
 DIVAETDNETENEDNENNENDEEEDEDDDEGPYTPFDPPSGKLETVKWAF TWPLSFVLYFTVPNCN
 KPHWEKWFMTFASSTLWIAAFSYMVMVTIIIGYTLGIPDVIMGITFLAAGTSVPDCMASLIVARQGMG
 DMAVSNSIGSNVFDIL IGLGLPWALQTLAVDYGSIIRLNSRGLIYSVGLLLASVFVTVFVHNLNKWLQDK
 KLGCGLFLYGVFLCFSIMTEFNVTFFVNLPMCGD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053195

ORF Size: 1785 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:

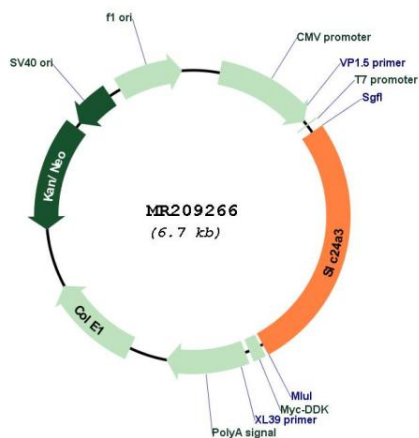
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_053195.1](#)

RefSeq Size: 3436 bp
 RefSeq ORF: 1788 bp
 Locus ID: 94249
 Cytogenetics: 2 G1
 MW: 66.1 kDa

Product images:



Circular map for MR209266