

Product datasheet for **MR216820**

Slc22a3 (NM_011395) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a3 (NM_011395) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc22a3
Synonyms:	EMT; Oct3; Orct3; Slca22a3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR216820 representing NM_011395
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACGTTTCGACCAGGCACTGAGGAAGGCGGCGAGTTCGGGCGCTCCAGCGGCGCGTGTTCCTGC
 TGCTGTGCTGACGGGTGTACCTTCGCCCTCCTTCGTCGCTGTTGGTCTTCCTGGGCAGCCAGCCCGA
 CTAATAATTGGTGTGCGGGCCGCGGCCACCGCGCTGGCCGAGCGCTGCGCCTGGAGCCCGAGGAGGAG
 TGGAACTCACCACACCGGAGCTCCACGTCCCAGCTGAGCGCCGCGGCCAAGGCCACTGCCACCGTACC
 TGCTGGAAGCCACTAATACCAGCTCAGAGCTCAGCTGCGACCCACTACTGCCTTCCCAACCGCTCCGC
 GCCTCTGGTGTCTGCAGCGGTGACTGGCGCTATGTGGAGACCCACTCTACCATCGTCAGCCAGTTTAC
 CTTGTCTGCAGCAATGCCTGGATGTTGGACCTCACCAAGCCATCCTGAACTTGGCTTCTGGCTGGGG
 CTTTTACCTTGGCTATGCAGCGGACAGATATGGCAGGCTCATCATTTACTTAATATCCTGTTTCGGCGT
 TGGCATCACAGGAGTCGTTGGCATTTCGCCAAATTTTCTGTGTTTGTGATTTCCGCTTCTACAA
 GGAGTGTGGAAAGGGGCGCTGGATGACTTGGTTCGTGATCGTGACAGAAATAGTTGGTCAAAACAAA
 GGAGGATTGTGGGAATCGTGATCCAGATGTTCTTACCCTCGGGATCATTATTCTTCTGGGATTGCCTA
 CTTACGCCAGCTGGCAGGGCATCCAGCTAGCCATCTCTGCCCAGCTTCTCTTCTCTCTATTAC
 TGGGTGGTCCCTGAGTCTCCCGCTGGCTGATCACCCGGAAGCAAGGAGAGAAAGCCTTGCAGATCCTGA
 GGCGCGTGGCTAAGTGCAATGGAACACCTCTCATCAAATTACTCAGAGATCACAGTTACAGATGAAGA
 AGTCAGTAACCCATCCTGTTTAGACCTTGTGAGAACTCCCAATGAGGAAATGCACGCTCATCCTATG
 TTTGCTTGGTTCACGAGCGCCGTTGGTGTACCAAGGACTTGTATGCGCTGGGACTTATCGGAGGCAACC
 TCTACATAGACTTCTTTATCTCTGGGCTGTGGAGCTGCCCGGAGCTCTTAATCCTTCTGACCATTGA
 CGCCTTGGACGACGCCCTTCCCTTTCGGCAAGCAATATAGTGGCAGGGGTGCTGTCTGGTCACTGCA
 TTTTTACCAGAAGGGATACCGTGGCTGAGGACCACAGTCGCTACCTGGGAAGACTAGGAATAACCATGG
 CCTTCGAAATTGTTTATTTGGTAAATTCAGAGTTGTACCCAACGACATTACGGAACCTTGGGGTTTCACT
 CTGCTCAGGCTTGTGACTTTGGGGGATTATAGCCCGTTTCTGCTTTTCGGCTGGCAGCTATATGG
 TTAGAAGTGCCTCTGATCATCTTGGGATCCTGGCGTCTGTCTGTGGTGGCCTCGTGATGCTTTGCCTG
 AAACGAAGGGCATTGCCTTGGCGGAGACGGTGAAGACGTAGAAAAGCTTGGCAGTTCACAGTTGCATCA
 GTGTGGCAGAAAAAGAAAACCCAGTTTCTACTTCTGATGTC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR216820 representing NM_011395
 Red=Cloning site Green=Tags(s)

MPTFDQALRKAGEFGRFQRRVFLLLCLTGVTF AFLFVGVVFLGSQPDYYWCRGPRATALAERCAWSPEEE
 WNLTPPELVHPAERRGQGHCHRYLLEATNTSSELSCDPLTAFPNRSAPLVSCSGDWRYVETHSTIVSQFD
 LVCSNAWMLDLTQAILNLGFLAGAFTLGYAADRYGRLIIYLISCFVGVITGVVAVAFPNFSVFIIFRFLQ
 GVFGKAWMTCFVIVTEIVGSKQRRIVGIVIQMFFTLGIIILPGIAYFTPSWQGIQLAISLPSFLFLYY
 WVVPEsprwLITRKQGEKALQILRRVAKCNGKHLSSNYSEITVTDEEVSNPSCDLVVRTPQMRKCTLILM
 FAWFTSAVVYQGLVMRLGLIGGNLYIDFFISGLVELPGALLILLTIERLRRLPFAASNIIVAGVSLVTA
 FLPEGIPWLRRTVATLGRGLITMAFEIVYLVNSELVPTTLRNFGVSLCSGLCDFGGIAPFLLFRLAAIW
 LELPLIIFGILASVCGGLVMLLPETKGIALPETVEDVEKLGSSQLHQCGRKKKTQVSTSDV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_d10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_011395

ORF Size: 1653 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_011395.2](#), [NP_035525.1](#)

RefSeq Size: 3501 bp

RefSeq ORF: 1656 bp

Locus ID: 20519

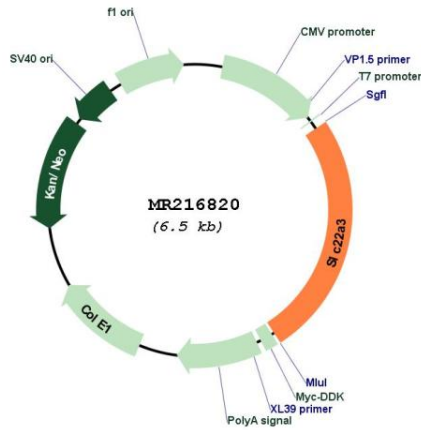
UniProt ID: [Q9WTW5](#)

Cytogenetics: 17 8.52 cM

MW: 61.5 kDa

Gene Summary: Mediates potential-dependent transport of a variety of organic cations. May play a significant role in the disposition of cationic neurotoxins and neurotransmitters in the brain.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216820