

Product datasheet for **MR218419**

Slc17a4 (NM_177016) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a4 (NM_177016) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc17a4
Synonyms:	9130214H05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR218419 representing NM_177016
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTACTGGAGCAGACCTGAAAGCAAGAGAGGGAGACATTCCCAGTGACAACATGACCCAAGAACAAT
 CCTTCAAGAAAGGCTTCTGCTCACTGCGCATGGTCTGGCCTTCATCTTGCATCTCTGTAATTTTTCTAT
 TTATACCCAACAATGAACTTGAGCTTTGCCATAACCGCCATGGTGAATACCACAGTAGCATCCAGCCAG
 CTCAATGCTTCCACAGAAAGACCTCCCACTAACTCCAGGATGTCTGGAATGAAACACTGCAGGAATCTA
 AGGCTCCTGTTTATGACTGGACACCTGAGATCCAGGGATCCTCCTCAGCTCCCTCAGCTATGGATCGTT
 CATAGCTCCAATCCCACTGGCTATGTGGCTGGAGTATTTGGAGCCAAGTACGTGGTTGGCTGGGCTTG
 TTAATTTCTTCAGTCCTGACTCTCTTCATTCCACTGGCAGCTGATGCTGGAGTAGCCTTGCTCATTGTCC
 TCCGGTCATCCAAGGCATGGCTCAGGTTATGGTATTAACAGGTCAGTACTCACTGTGGCCAAATGGGC
 TCCCCACAGAAAGGAGTCAACTCATCACCATCGCTGCATCAGGGTCAATGCTTGGGACCTTCCTGTGC
 CTATTGCTGGTGGTCTTATTTGTCAGGCCCTCGGATGGCCTTATATATTCTACATCTTTGGTGGAAATG
 GCTGTGCCTGTTGCCTGCTCTGGTTCCTCTCGTATATGATGACCCACAGAATCACCCCTTTATCAGCAC
 TGGTGAGAGGAGATACATCACATGCTCACTGGCTCAAGAGGATTGCTCCCTGGGCTGGTCTCTTCCATT
 AAAGCCATGGTGAATCTCTCCCGCTTTGGGCCATTGTAGTTTCTTACTTCTGTGAATACTGGCTGTTAT
 CCACAGTAATGGCATATACCCACATATACAGCTCTGTACTTCAAGCAAACCTCCGAGATAGTGGAAAT
 CCTGTCAGCCCTGCCGTTTCATGTTTGGCTGTGTCTGCATCCTTGGGGCCTACTGGCAGATTTTCTG
 CTCTCCAGGAAAATCCTCCGACTTGTCACTATCAGGAAGCTTCACTGCTGTAGGGTCTCTTGCCTCAT
 CTGGAATCCTCCTGCCCTGCCTGGGTCAGATCTAGCCGACACCACAATGGCCTTCTTGGTACTGTC
 TTCTGTCTTTGCCAGCCTCTGTGATTGAGGAGCCCTCATTAACTTCTTGGATATAGCTCCACGGTATGCT
 GGCTTTCTCAAAGGATTATTGCAAGCTTTTCTTACCTAGCTGGAGGCATAGCTCCTACTGTTGCTGGAT
 TTTTCATCAGTCAGGATTCAGAGTTTGGCTGGAGAAATGTCTTCTTCTTGCAGCTGCTATTGATGTAGT
 AGGCCTGCTCTTCTACCTCATCTTCAGCCGGGCAGAGGTACAGGACTGGGCTAAGGAACCGACATTCACC
 CATCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218419 representing NM_177016
 Red=Cloning site Green=Tags(s)

MSTGADLKAREGDIPSDNMTQEQSFKKGFCSLRHGLAFILHLCNFSIYTQMNLSFAITAMVNTTVASSQ
 LNASTERPPTNSQDVWNETLQESKAPVYDWTPEIQGILLSLSYGSFIAPIPTGYVAGVFGAKYVVLGLL
 LISSVLTLFIPLAADAGVALLIVLRVIQMAQVMVLTGQYSLWAKWAPPQERSQLITIAASGSMLGTFVLV
 LIAGGLICQALGWPIFYIFGGIGCACLLWFPLVYDDPQNHPISTGERRYITCSLAQEDCSLWLSLPI
 KAMVKSLPLWAIVVSFYFCEYWLLSTVMAYTPTYISSVLQANLRDSGILSALPFMFGVCVCIILGGLLADFL
 LSRKILRLVTIRKLFYAVGVVLASSGILLPLPWRSSRSTTMAFLVLSVFASLDCSGALINFLDIAPRYA
 GFLKGLLQVFSYLAGGIAPTAVGFFISQDSEFGWRNVFFLAAAIDVVGLLFLYIFSRAEVQDWAKEPTFT
 HL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_e11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_177016

ORF Size: 1476 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_177016.3](#), [NP_795990.2](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1479 bp

Locus ID: 319848

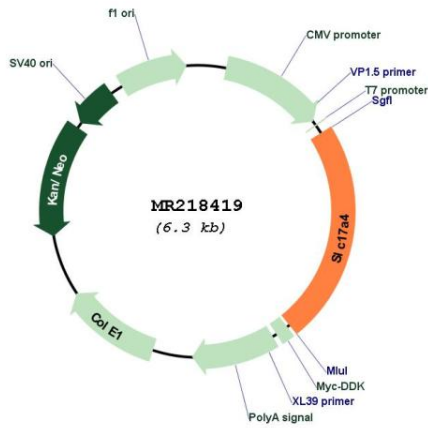
UniProt ID: [Q5NCM1](#)

Cytogenetics: 13 A3.1

MW: 54.1 kDa

Gene Summary: Acts as a membrane potential-dependent organic anion transporter, the transport requires a low concentration of chloride ions. May be involved in urate extrusion from the intestinal duct. May recognize hydrophilic anionic drugs such as aspirin, salicylate, and ibuprofen as substrates. Able to actively transport inorganic phosphate into cells via Na(+) cotransport (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218419