

Product datasheet for **MR209543**

Slc13a4 (NM_172892) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc13a4 (NM_172892) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc13a4
Synonyms:	9630060C05Rik; SUT-1; SUT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209543 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

 ATGGGCTTGCTGCAGGGCCTTCTCCAAGCGAGGAAGCTGCTATTGGTCATCTGTGTGCCGCTGCTGCTGC
TGCTCTGCCACCATCTACCCACCAGCGAAGCTGCGTGTGCTTACGTGTTGCTTGTGACCGCTGTGTA
CTGGGTGTCTGAGGCCGTGCCTCTCGGAGCTGCAGCCCTCGTGCCTGCCTTCTCTACCCGTTCTTCGGT
GTTCTCCGATCCAGTGAGGTGGCGGCTGAGTACTTCAAGAACACCACGCTGCTGTTGGTGGCGCTCATCT
GTGTGGCAGCAGCTGTGGAGAAGTGAATTTACACAAGCGCATCGCCCTGCGCATGGTCTTGATGGCGGG
AGCCAAGCCTGGCATGCTCCTGCTGTGTTTCATGTGCTGTACCACCATGCTGTCCATGTGGCTCTCCAAC
ACCTCCACCACGCCATGGTGATGCCATCGTGGAGGCGGTGCTGCAGGAGCTCATCAACGCTGAGGAGG
AACAGCTGGCAGCCGGCACTGAGGAGGCTGAGCTCATGGGTCTTGATGTAACAACAGACAGACGTCCTAT
GGAATCATCTTTGTCAATGAAGACACGTCGGCTGCAGACGTCACCTTCTGATGCAGAGCAAGAATCTG
AATGGTGTGCCATGGTACCAAATCCATCAACACAGCAAAACCAAGCAACAGAAGAAGCAGCAGCCGT
CACAGGAAAAGCCAGGAGTCCCAACCCCAAGCTCCAAGACCCAAGAACTGAACAAGAAGAAGTACAGATC
CCACCATGACCAAATGATCTGCAAGTGCCTTTCTCTGAGCATTTCTATGCTGCCACCATTTGGTGGCCTG
ACCACCATCATAGGCACCTCCACCAGCCTCATTTTCTTAGAGCATTTCAACAACCAAGTACCCGGCGGCAG
AGGTGGTGAATTCGGAACCTGGTTCCTCTTACGCTTCCCATCTCGTCTCATGCTGGTGGTCAAGCTG
GTTCTGGATCCACTGGCTCTTCTGGGTGCAACTTCAAAGAGACCTGCTCTGAGCAAGAAGAAGAAG
ACCAGGAGGGAGGAGCTATCAGAGAAGAGGATCCGGGAGGAATATGAGAAGCTAGGAGACATTAGCTACC
CTGAGATGGTGACCGCCTTTTCTTCTGATGACGGTGTGTTTACCCGGGAGCCCGCTTTGT
CCCTGGCTGGGATCTTTCTTTGAAAAGAAAGGCTACCGCACTGATGCCACAGTCTCTGTATTCCTTGGC
TTCCTGCTTTTCTCATTCCAGCAAGAAGCCCTGCTTTGGGAAAAAGAGTGATGAACAGGCCAGGAAG
CCTCAAAGGGATAGAGCCCATCATCACGTGGAAGGACTTCCAGAAAATATGCCCTGGGAGATTGTCAT
TCTGGCGGGAGGAGGCTACGCCCTGGCTTCTGGCAGCAAGAGCTCTGGCCTCTCCACATGGATCGGGCAC
CAGATGCTGTCCCTGAGCAGCCTCCCGCATGGGCTATCACCTGCTGGCGTGTGCTGGTGTCCATTG
TCACGGAGTTTGTGAGCAATCCAGCCACCATCACCATCTTCTGCCCATCCTTTGTACCTGTCCGAAAC
GCTGCACATCAATCCACTGTACACCCTGGTCCCGTTACCATGTCAATCTCCTTCGCTGTGATGCTGCC
GTGGGCAACCCCAACGCCATCGTCTTACGCTACGGGCACTGCCAGATCAAAGACATGGTGAAAGCCG
GTCTGGGAGTCAATGTATCGGTCTGGTATCGTGATGGTGGCCATCAATACTTGGGAGTTAGCCTCTT
CCACTTGATGCTTTCCAGCCTGGGCTAAGGTACGAACATCACTGATCAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209543 protein sequence

Red=Cloning site Green=Tags(s)

 MGLLQGLLQARKLLLVICVPLLLLPLPTIYPTSEAAAYVLLVTAVYVWSEAVPLGAAALVPAFLYPFFG
VLRSEVAAEYFKNNTLLLVGVICVAAAVEKWNLHKRIALRMVLMAGAKPGMLLLCFMCCTTMSMWLSN
TSTTAMVMPIVEAVLQELINAEQQLAAGTEEAELMGLDVNNRQTSMEIFVNEDTSAADVTSMLQSKNL
NGVPMVTKSINTANQQQKKQPSQEKPGVPTPSSKTQELNKKKYRSHDQMICKCLSLISYAATIGGL
TTIIGTSTSLIFLEHFNNQYPAAEVVNFGTWFLFSFPISLIMLVVSWFWIHWLFLGCNFKETCSLSKSKK
TRREELSEKRIREYEKLGDISYPEMVTAFFFILMTVLWFTREPFGVPGWDSFFEKKGYRTDATVSVFLG
FLLFLIPAKKPCFGKSDGTGQEASKGIEPIITWKDFQKTMPWEIVILAGGGYALASGSKSSGLSTWIGH
QMLSLSSLPPWAITLLACVLVSIIVTEFVSNPATITIFLPILCTLSETLHINPLYTLVPVTMSISFAVMLP
VGNPPNAIVFSYGHCIKDMVKAGLGVNVIGLVIMVAINTWGVSLFHLDAFPAWAKVSNITDQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172892

ORF Size: 1875 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.

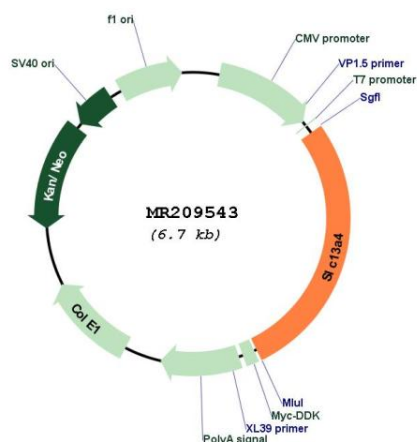
RefSeq: [NM_172892.1](#), [NM_172892.2](#), [NM_172892.3](#), [NP_766480.1](#)

RefSeq Size: 3426 bp

RefSeq ORF: 1878 bp

Locus ID: 243755
 Cytogenetics: 6 B1
 MW: 68.9 kDa

Product images:



Circular map for MR209543