

Product datasheet for **MR208782**

Slc1a5 (NM_009201) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc1a5 (NM_009201) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc1a5
Synonyms:	AAAT; ASCT2; ATBO; M7V1; M7VS1; R16; RDRC; Slc1a7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208782 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGTGGATCCCCCTAAGGCTGACCCCAAAGGGGTAGTAGCGGTGGATTCCACCGCGAACGGTGGCC
 CCGCGCTGGGATCCAGAGAGGACCAGAGTGCAGAAAGCAGGTGGTTGCTGCGGTTCCCGTGACCGGGTGGC
 CCGCTGCATTCGCGCAACCTGCTGGTGTCTCACGGTGGCTGCGGTGGTGGCTGGCGTGGGGCTGGGG
 CTGGGGTCTCGGCGCGGGCGGTGCTGACGCGTGGTCCCAGCGCTTGACCGCTTTCGCTTCCCGG
 GAGAGCTGCTGCTGCTGCTGAAGATGATCATCCTGCCGCTGCTGGTGTGCAGCCTGATCGGAGGTGC
 AGCCAGCTTGGACCCTAGCGCGCTCGGTCTGTGGGCGCTGGGCGTCTTTTTCTGGTACCACA
 CTGCTCGCGTCCGCGCTCGGCTGGGTTTGGCCCTGGCGTGAAGCCGGGCGCCGCTTACCGCCATCA
 CCTCCATCAACGACTCTGTTGTAGACCCCTGTGCCGAGTGCACCAACCAAAGAGGTGCTGGATTCCTT
 TCTAGATCTCGTAGGAATATTTTCCCCTCCAACTGGTGTCTGCTGCCCTCCGCTTTTTGCTACCTCA
 TATGAACCCAAAGACAACCTCATGTAAAATACCGCAATCCTGTATCCAGCGGGAGATCAATTAACCATGG
 TCCAGTCTCTGTGAGGTGGAGGAATGAACATCCTGGGCTGGTGGTCTTCGCTATCGCTTTGGTGT
 GGCTCTGCGGAAGCTGGGGCCGAGGGTGGAGTCTCATTGTTTCTCACTCCTTCAATGATGCCACC
 ATGGTCTGGTCTCCTGGATTATGTGGTACGACCCGTTGGAATCCTTGTCTGGTGGCCAGGCAAGATT
 GTGGAGATGAAAGACGTCGCGCAGCTTTCATCAGCCTCCGGCAAATACATTCTGTGCTGGCCTGCTGG
 CCACGCCATCCACGGGCTCCTGGTCTGCTCTCATCTACTTCTTCCACCCGCAAAAATCCCTATCGA
 TTCTGTGGGGCATCATGACACCCCTGGCACTGCTTTCGGGACCTTCTAGCTCTGCCACCTTGCCCTC
 TGATGATGAAGTGTGTAGAGGAGAAGAATGGTGTGGCCAAACACATCAGCCGGTTCATCCTACCCATCG
 CGCCACGGTCAACATGGACGGGGCGCGCTGTTCCAGTGTGGCGGCAGTGTTTCATCGCACAACCTAAAC
 GGGGTGTCCCTGACTTCGTGAAGATCATCACCATCCTGGTACAGCCACAGCATCCAGTGTGGTGGCGG
 CAGGGATCCCTGCAGGGGGCTCCTCACCTCGCCATCATCCTGGAAGCAGTCAGCCTGCCTGTGAAGGA
 CATCTCCTTGATCTTGGCCGTGGACTGGCTAGTGGACAGGTCTGTACTGTCTCAACGTGGAAGGTGAT
 GCTTTTGGGGCTGGACTGCTTCAAGATTACGTGGATCGAACCAAGATGCCGAGCTCAGAGCCGAATTGA
 TCCAGGTGAAGAACGAGGTGTCTCTGAATCCACTGCCCTCGCCACAGAGGAGGGGAATCCCTCCTGAA
 ACAGTACCAGGGACCCACCGGGACTCCAGTGCCACGTTGAAAAGGAATCTGTCATG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208782 protein sequence
 Red=Cloning site Green=Tags(s)

MAVDPPKADPKGVVAVDSTANGPALGSREDQSAKAGCCSRDRVRRIRANLLVLLTVAAVVAGVGLG
 LGVSAAGGADALGPARTAFAPGELLRLKMIILPLVVCSLIGGAASLDPSALGRVGAWALLFFLVTT
 LLASALGVGLALALKPGAAVTAITSINDSVVDPCARSAPTKEVLDSFLDLVRNIFPSKLVSAAFRSFATS
 YEPKDNSCKIPQSCIQREINSTMVQLLCEVEGMNIGLVVFAIVFGVALRKLGPPEGELLIRFFNSFNDA
 TMLVLSWIMWYAPVGLVLRQDCGDERPPALHQPPANTFCAGLLGHAIHGLLVPLIYFLFTRKNPYR
 FLWIMTPLATAFGTSSSATLPLMMKVEEKNGVAKHISRIFILPIGATVNMDGAALFQCVAAVIAQLN
 GVSLDFVKIITILVTATASSVGAAGIPAGGVLTLAIILEAVSLPVKDISLILAVDWLVDRSCTVLNVEGD
 AFGAGLLQSYVDRTKMPSEPELIQVKNESLNPLPLATEEGNPLLKQYQGPTGDSSATFEKESVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_009201

ORF Size: 1671 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_009201.2](#), [NP_033227.2](#)

RefSeq Size: 2758 bp

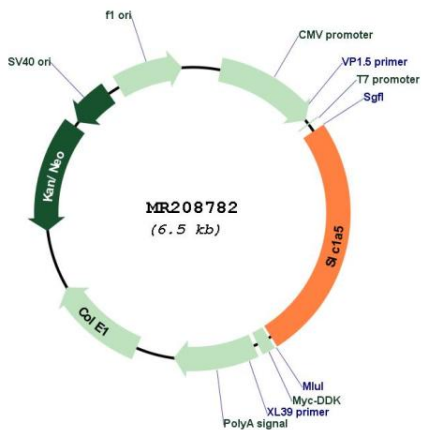
RefSeq ORF: 1668 bp

Locus ID: 20514

Cytogenetics: 7 A2

MW: 58.3 kDa

Product images:



Circular map for MR208782