

Product datasheet for **MR209500**

Slc6a6 (NM_009320) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a6 (NM_009320) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc6a6
Synonyms:	AA589629; C80501; Taut
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209500 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACGAAGGAGAAGCTGCAATGTCTGAAAGACTTCCACAAAGACATCCTGAAGCCTTCTCCAGGGA
 AGAGCCCAGGCACACGGCCTGAAGATGAGGCGGACGGAAGCCCCTCAGAGGGAGAAGTGGTCCAGCAA
 GATCGACTTTGTCTGTCTGTGGCCGGAGGCTTCGTGGTGGGCAACGCTCGCGTTCCTCCGTACCTC
 TGCTACAAAAATGGTGGAGGTGCGTTTCTCATACCGTATTTTATTTTCTGTTTGGGAGCGGCTGCCTG
 TGTTTTTCTTGGAGGTCATCATAGGCCAGTACACATCAGAAGGGGGCATCACCTGCTGGGAGAAGATCTG
 TCCTTTGTTCTCTGGCATTGGCTACGCATCCATCGTCATTGTGTCCCTCCTGAACGTGTACTACATCGTC
 ATCCTGGCCTGGCCACATACTACCTATTCCACTCTTCCAGAAGGATCTTCCCTGGGCCACTGCAACC
 ATAGCTGGAACACACCACAGTGCATGGAGGACACCCTGCGTAGGAACGAGAGTCACTGGGTCTCCCTTAG
 CACTGCCAACTTACCTACCCGTCATCGAGTTCTGGGAGCGCAATGTGCTCAGCCTGCCTCCGGAATC
 GACAACCCAGGAGTCTGAAATGGGACCTCGCGCTCTGCCTCCTTAGTCTGGCTCGTCTGTTTTTCT
 GCATCTGGAAGGGTGTTCGATCCACAGGCAAGTTGTCTACTTACCCTACTTTCCCGTTTGCCATGCT
 TCTGGTGTCTGGTCCGTGGACTGACCCTGCCAGGTGCTGGTGAAGGCATCAAATTCTACCTGTACCCT
 GACATCAGCCGCTTGGGGACCCACAGGTGGATCGACGCTGGAACAGATATCTTTTCTACGCAA
 TCTGCCTGGGGCCATGACCTCACTGGGAAGCTATAACAAGTACAAGTAACTCGTACAGGGACTGTAT
 GCTGCTGGGATGCCTGAACAGTGGTACCAGTTTGTGTCTGGCTTCGCAATTTTCCATCCTGGGCTTC
 ATGGCACAAAGACAAGGGGTGGACATTGCTGATGTGGCTGAGTCAGGTCCTGGCTTGGCCTCATTGCCT
 ACCCAAAAGCTGTAACCATGATGCCCTGCCACCTTTTGGTCTATTCTGTTTTTTCATTATGCTCCTCTT
 GCTTGGACTGGACAGCCAGTTTGTGAAGTCGAAGGACAGATCACATCCTTGGTTGATCTTACCCTCC
 TTCTAAGGAAGGGTTATCGTCGGGAAATCTTCATAGCCATCTTGTGTAGCATCAGCTACCTGCTGGGGC
 TGACGATGGTACGAGGGTGGCATGTATGTGTTCAACTCTTGGACTACTATGCAGCTAGTGGTGTATG
 CCTTTTGTGGTTGCATTCTTTGAATGTTTTGTTATTGCCTGGATATATGGCGGTGATAACTTATATGAC
 GGTATTGAGGACATGATTGGCTATCGGCCTGGCCCTGGATGAAGTACAGCTGGGCTGTCATCACTCCAG
 CTCTTTGTGTTGGATGTTTCGCTTCTCGCTTGTCAAGTATGTACCCCTGACCTACAACAAAGTACC
 GTACCCGATTGGCAATTGGGCTGGGCTGGGGCCTGGCCCTTCTCCATGCTGTGTATCCCTTGGTC
 ATTTGTCATCCTCCTGCGGACGGAGGGACCGCTCCGCTGAGAATCAAATACCTGATAACCCCGAGG
 AGCCCAACCGCTGGGCTGTGGAGCGTGAAGGGCCACACCCTTCTACTCCCGAGTAACCCTCATGAACGG
 CGCACTCATGAAACCCAGTCACGTCATTGTGGAGACCATGATG

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

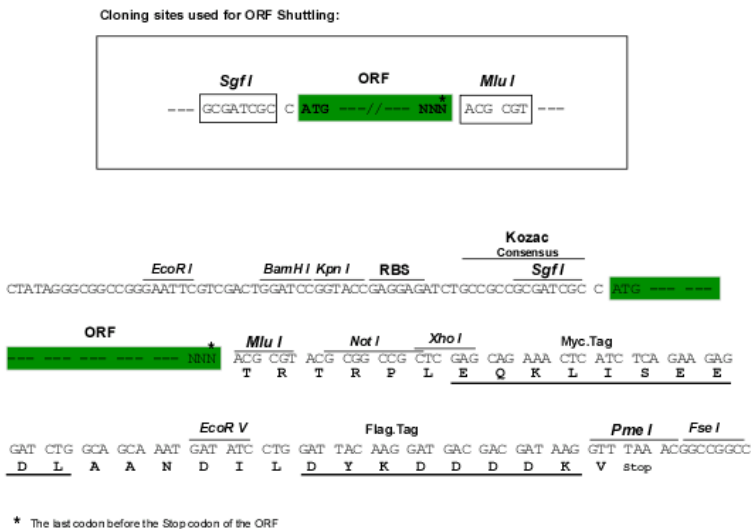
>MR209500 protein sequence
 Red=Cloning site Green=Tags(s)

MATKEKLQCLKDFHKDILKPSGKSPGTRPEDEADGKPPQREKWSKIDFVLSVAGGFVGLGNVWRFPYL
 CYKNGGGAFLIPYFIFLFGSGLPVFFLEVIIGQYTSEGGITCWEKICPLFSGIGYASIVIVSLLNVYIV
 ILAWATYYLFHSFQKDLPAHCHNSWNTPQCMEDTLRRNESHVSLSTANFTSPVIEFWERNVLSLSSGI
 DNPGLKWDLALCLLLVWLVCFFCIWKGVSTGKVVYFTATFPFAMLLVLLVRGLTPGAGEGKIFLYLP
 DISRLGDPQVWIDAGTQIFFSYAICLGAMTSLGSYNKYKNSYRDCMLLGLNSGTSFVSGFAIFSILGF
 MAQEQQVDIADVAESGPLAFIAYPKAVTMMPLPTFWSILFFIMLLLLGLDSQFVEVEGQITSLVDLYPS
 FLRKGYRREIFIAILCSISYLLGLTMVTEGMYVFQLFDYYAASGVCLLWVAFFECFVIAWIYGGDNL
 YDGIEMIGYRPGPVMKYSWAVITPALCVGCFVFLVYKVPVPLTYNKVYRYPDWAIGLWGLALSSMLCPL
 IVILLCRTEGPLRVRIKYLITPREPNRWAVEREGATPFHSRVTLMNGALMKPSHVIVETMM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009320

ORF Size: 1866 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_009320.4](#), [NP_033346.2](#)

RefSeq Size: 6169 bp

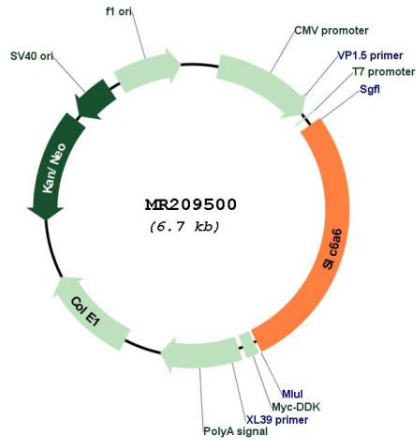
RefSeq ORF: 1866 bp

Locus ID: 21366

UniProt ID: [O35316](#)

Cytogenetics: 6 40.73 cM
MW: 69.9 kDa
Gene Summary: Sodium-dependent taurine and beta-alanine transporter. Chloride ions are necessary for optimal uptake.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209500