

Product datasheet for **MR209312**

Slc17a8 (NM_182959) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a8 (NM_182959) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc17a8
Synonyms:	BC042593; Vglut3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209312 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATTTAAAGCATTGTGATACCTTCAAAGAAAAGATTTTGAACCTGGGAAGGAAGGAGTGAAGAATG
 CCGTGGGAGACTCGCTGGGCATCTTACAAAGAAAATCGATGGGACCAATGAAGAGGAAGATGCCATTGA
 GCTGAATGAAGAAGGAAGGCCCGTGCAGACGTCCAGAGCACATCGCCCTGTCTGTGACTGCAGCTGCTGC
 GGCATCCCAAGCGGTACATCTGTGACTGCAGCTGCTGCGGCATCCCAAAACGGTACATCATTGCTGTCA
 TGAGCGGCTCGGCTTCTGCATTTCTTTGGGATTCGGTGCAACCTTGGAGTGGCCATTGTGAAAATGGT
 CAACAATAGCACTGTGTATGTGGATGGGAAACCAGAAATTCAGACAGCGCAGTTTAACTGGGACCCAGAG
 ACGGTGGGCTGATCCATGGATCTTTTTCTGGGTTATATTGTGACACAAATCCCGGTGGCTTCATTT
 CAAACAAGTTTGCTGCTAGCAGGTCTTTGGAGCCGCATCTTCTTGACATCAACTCTGAACATGTTTAT
 CCCTTCTGCGGCGAGGGTGCATTACGGCTGTGTATGGGTGTGAGGATTTTGCAGGGTCTGGTGGAGGGT
 GTGACCTACCCTGCCTGCCATGGGATGTGGAGTAAGTGGGCGCCTCCCTGGAGAGAAGCCGTCTAGCCA
 CGACTTCTTCTGTGGTTCTATGCTGGGGCAGTTGTTGCTATGCCTCTTGCAGGGGTATTGGTGCAGTA
 CATTGGCTGGGCCTCTGTCTTTACATCTACGGTATGTTTGGGATTATTTGGTATATGTTTGGCTGCTG
 CAGGCTTATGAGTGGCCGACGCTACCCAACAATATCCAATGCAGAAAGGACCTACATAGAGACAAGCA
 TAGGAGAAGGGGCCAACTTGCCAGTCTGAGCAAATCAACACACCATGGAGAAGGTTTTTACATCCTT
 GCCTGTCTATGCCATCATTGTGGCAAATCTGTAGAAGCTGGACCTTCTATTGCTCCTGATAAGTCAG
 CCAGCTTACTTTGAGGAGTCTTTGGATTTGCAATAAGTAAGGTGGTCTCTTGTGACGTGCCACACA
 TGGTGATGACAATCGTGGTGCCCATCGGAGGACAACTGGCTGATATTTAAGAAGCCGAAAGATTTTGAC
 CACAACCCTGTGAGAAAGATCATGAATTTGGAGGCTTTGGCATGGAGGCAACCTTGTCTCTGGTGGTT
 GGATTTCCCATACCAAAGGAGTGGCTATCTCCTTCTGGTGGTCTGCTGTAGGATTTAGTGGCTTTGCTA
 TTTCAGGCTTCAATGTCAACCACCTGGACATTGCTCCACGCTATGCCAGCATCCTCATGGGGATCTCAAA
 TGGTGTGGGGACCCTCTCTGGAATGGTTTGTCCCTCATTGTTGGTGCAATGACTAAGCACAAGACCCGG
 GAGGAGTGGCAGAATGTGTTCTCATAGCAGCGCTGGTACACTACAGCGGAGTCTCTTCTACGGGGTCT
 TCGCTTCTGGGAAAAACAGGACTGGGCTGACCCAGAGAATCTCTCTGAGGACAAATGTGGAATCATTGA
 CCAAGATGAGTTAGCTGAGGAGACAGAACTCAACCACGAGACTTTCGTAAGTCCCAGAAAGAAGATGCT
 TATGGAGCCACCACCAAGATTGTGAGGTCCAGAAGACGGAGTGGAGACAACAGAGAGAATCTGCCTTCG
 ACGGGGAGGAGCCATTATCCTACCAGGCCGAAGGAGACTTCTCAGAAACATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209312 protein sequence
 Red=Cloning site Green=Tags(s)

MPFKAFDTFKEKILKPGKEGVKNAVGDLSLILQKIDGTNEEEDAIELNEEGRPVQTSRAHRPVCDCSCC
 GIPKRYICDCSCCGIPKRYIIAVMSGLGFCISFGIRCNLGVAIVEMVNNSTVYVDGKPEIQTAQFNWDPE
 TVGLIHGSFFWGYIVTQIPGGFISNKFAASRVFGAAIFLTSTLNMFIPSAARVHYGCVMGVRIQLGLVEG
 VTYPACHGMWSKWAPPLERSRLATTSFCGSYAGAVVAMPLAGVLVQYIGWASVFYIYGMFGIIWYMFLL
 QAYECPAAHPTISNAERTYIETSIGEGANLASLSKFNTPWRRFFTSPLVYAIIVANFCRSWTFYLLLSIQ
 PAYFEEVFGFAISKVGLLSAVPHMVMITVPIGGQLADYLRSRKILTTTAVRKIMNCGGFMEATLLLVLV
 GFSHTKGVASISFLVAVGFSGFATSGFNVNHLDIAPRYASILMGISNGVGTLSGMVCPLIVGAMTKHKTR
 EEWQNVFLIAALVHYSVIFYGVFASGEKQDWADPENLSEDKCGIIDQDELAETEELNHETFVSPRKKMS
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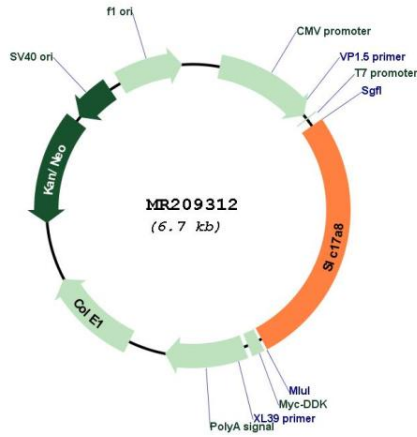
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cytogenetics: 10 C2
MW: 66.1 kDa
Gene Summary: Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209312