

Product datasheet for **MR222134**

Slc6a11 (NM_172890) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a11 (NM_172890) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc6a11
Synonyms:	D930045G19Rik; E130202I16Rik; Gabt4; Gat3; GAT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222134 representing NM_172890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACTGCGGAGCAAGCGCTGCCCTGGGCAACGGAAAGCGGCCGAGGAGGCGGGGGTCCGAGACGC
 TGGGCGGCGGCGGGGCGCGCGGGGACGCCGAGGCGCGACAAGGCTGTCCACGAGCGCGCCA
 CTGGAACAACAAGGTGGAGTTCGTGTTGAGCGTAGCTGGAGAGATCATCGGACTGGCAACGTGTGGCGC
 TTTCCCTACCTGTGCTACAAAAACGGCGGAGGGCATTCTGATTCTTACGTGGTGTTTTTCATCTGCT
 GCGGAATCCCCGCTTCTTCTGAAACGGCTCTGGGCGAGTTCACGAGCGAGGGTGGCATCACGTGCTG
 GAGGAGGGTCTGCCCTTTATTTGAAGGCATTGGCTATGCAACACAGGTGATCGAGGCACACCTCAATGTC
 TACTACATCATCATCCTGGCGTGGCCATCTTCTACCTAAGCAATTGCTTACCACCGAGCTCCCCTGGG
 CCACCTGTGGGACGAGTGAACACAGAGAAATGTGTGGAGTCCAGAAGCTGAACTTCAGCAACTACAG
 TCATGTGTCCCTGCAGAATGCCACCTCCCCGGTATGGAGTTCGGGAACGCCGGTCTTGGCTATATCC
 GATGGCATTGAGCACATTGGGAACCTCCGTTGGGAACGGCATTATGTCTCTGGCGGCCTGGACCATCT
 GCTACTTCTGCATATGGAAGGTAAGTCGACTGAAAAGTCTGTATGTCACTGCAACCTTCCCCTA
 CATCATGCTGCTGATCCTCCTGATCCGAGGGTACGTTGCCAGGCGCCTCTGAAGGCATCAAGTCTAT
 CTGTACCCTGACCTCTCCCGCTCTGACCCACAGGTGTGGGTGGACGCTGGGACGAGATCTTTTTCT
 CCTATGCCATCTGCCTGGGCTGCCTAACCGCTCTGGGGAGTTACAACAATAACAACAAGTCTACAG
 GGACTGCATTATGCTCTGCTGTAAACAGTGGCACCAGCTTCGTGGCTGGGTTGCCATCTTCTCAGTC
 CTGGGCTTCATGGCATAACGAGCAGGTGTGCCTATTGCCAGGTGGCAGAGTCAGTCTGGACTGGCTT
 TCATCGCTACCCCAAGGCTGTCACTATGATGCCCTCTCCACTGTGGGCCACCTTGTCTTTCATGAT
 GCTCATCTTCTGGGCTGGACAGTCAGTTTGTGTGCGTGGAGAGTCTTGTGACAGCCGTTGGTAGACATG
 TACCCTAAGTCTTCCGGCGGGCTACCGGCGAGAACTGCTCATCCTGGCCCTGTCCATCATCTCTATT
 TCCTAGGCCTGGTGTGCTGACCGAGGGAGGCATGTACATCTTCCAGCTTTTGTACTACACGCCCGCAG
 TGGCATGTGCTTGTCTTTGTGGCCATCTTGTGAGTGTCTGCATCGGCTGGGTATATGGAAGCAACCGG
 TTCTATGACAATATTGAGGATATGATTGGTTACCGGCCACTGCTACTCATCAAGTGGTGTGAAAGTGC
 TGACCCCTGGGATCTGTGCGGGCATCTTATCTTCTTCTGGTCAAGTACAAACCGCTCAAGTACAACAA
 TGTGTACACATATCCTGCTTGGGCTACGGCATCGGCTGGCTCATGGCTCTGCTCCATGCTGTGTATC
 CCACTCTGGATCTCATTAAAGCTGTGGAAGACAGAGGGCACACTGCCCGAGAAATTACAGAAAGTTGACAG
 TCCCCAGCGCGATCTGAAAATGCGGGGCAAGCTTGGGGCCAGCCACGGACGGTACCGTTAATGACTG
 TGAGGCCAAGGTCAAGGGCGACGCCACCATCTCTGCCATCACAGAGAAGGAGACACACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222134 representing NM_172890
 Red=Cloning site Green=Tags(s)

MTAEQALPLGNGKAAEEARGSETLGGGGGAAGTREARDKAVHERGHWNKVEFVLSVAGEIIGLGNVWR
 FPYLYCYKNGGGAFLIPYVVFICCGIPVFFLETALGQFTSEGGITCWRRCVPLFEGIGYATQVIEAHLNV
 YYIIILAWAIFYLSNCFTELWPATCGHEWNTKCVFQKLNFSNYSHVSLQNATSPVMEFWERRVLAIS
 DGIEHIGNLRWELALCLLAAWTICYFCIWKGTSTGKVVVYVATFPYIMLLILLIRGVTLPGASEGIKFY
 LYPDL SRLSDPQVWVDAGTQIFFSYAICLGCLTALGSYNNYNNCYRDCIMLCCLNSGTSFVAGFAIFSV
 LGFMAYEQGVPIAEVAESGGLAFIAYPKAVTMMPLSPLWATLFFMMLIFLGLDSQFVCSVSLVAVVDM
 YPKVFRRGYRRELLILALSIIISYFLGLVMLTEGGMYIFQLFDSYAASGMCLL FVAIFECVCI GWVYGSNR
 FYDNIEDMIGYRPLSLIKWCWKVVTPGICAGIFIFLVKYPKLYNNVYTPAWGYGIGWLMALSSMLCI
 PLWIFIKLWKTEGTLPEKLQKLTVPSADLKMGRKLGASPRVTVNDCEAKVKGDGTISAITEKETHF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9014_d07.zip
 Restriction Sites: SgfI-MluI
 Cloning Scheme:



ACCN: NM_172890
 ORF Size: 1881 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_172890.3](#), [NP_766478.1](#)

RefSeq Size: 4066 bp

RefSeq ORF: 1884 bp

Locus ID: 243616

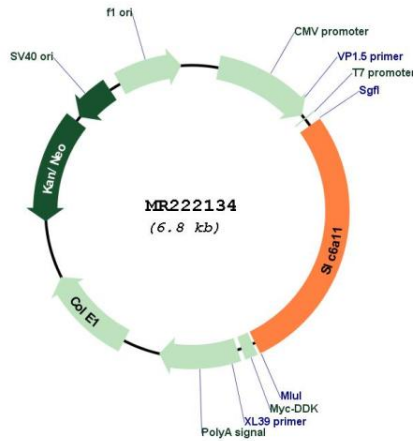
UniProt ID: [P31650](#)

Cytogenetics: 6 52.98 cM

MW: 70.4 kDa

Gene Summary: Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals. Can also transport beta-alanine and taurine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222134