

Product datasheet for **MG222134**

Slc6a11 (NM_172890) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a11 (NM_172890) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc6a11
Synonyms:	D930045G19Rik; E130202I16Rik; Gabt4; Gat3; GAT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222134 representing NM_172890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGCGGAGCAAGCGCTGCCCTGGGCAACGGAAAGCGGCCGAGGAGGCGGGGGTCCGAGACGC
 TGGGCGGCGGCGGGGCGCGCGGGGACGCCGAGGCGCGACAAGGCTGTCCACGAGCGCGCCA
 CTGGAACAACAAGGTGGAGTTCTGTGTTAGCGTAGCTGGAGAGATCATCGGACTGGCAACGTGTGGCGC
 TTTCCCTACCTGTGCTACAAAAACGGCGGAGGGCATTCTGATTCTTACGTGGTGTTTTTTCATCTGCT
 GCGGAATCCCCGCTTCTTCTGAAACGGCTCTGGGCGAGTTCACGAGCGAGGGTGGCATCACGTGCTG
 GAGGAGGGTCTGCCCTTTATTTGAAGGCATTGGCTATGCAACACAGGTGATCGAGGCACACCTCAATGTC
 TACTACATCATCATCCTGGCGTGGGCCATCTTCTACCTAAGCAATTGCTTACCACCGAGCTCCCCTGGG
 CCACCTGTGGGACGAGTGAACACAGAGAAATGTGTGGAGTCCAGAAGCTGAACTTCAGCAACTACAG
 TCATGTGTCCCTGCAGAATGCCACCTCCCCGGTCATGGAGTTCGGGAACGCCGGTCTTGCTATATCC
 GATGGCATTGAGCACATTGGGAACCTCCGTTGGGAACGGCATTATGTCTCTGGCGGCCTGGACCATCT
 GCTACTTCTGCATATGGAAGGTAAGTCGACTGAAAAGTCTGTATGTCACTGCAACCTTCCCCTA
 CATCATGCTGCTGATCCTCCTGATCCGAGGGGTCACGTTGCCAGGCGCCTCTGAAGGCATCAAGTCTAT
 CTGTACCTGACCTCTCCCGGCTCTGACCCACAGGTGTGGGTGGACGCTGGGACGAGATCTTTTTCT
 CCTATGCCATCTGCCTGGGCTGCCTAACCGCTCTGGGGAGTTACAACAATAACAACAACCTGCTACAG
 GGACTGCATTATGCTCTGCTGTAAACAGTGGCACCAGCTTCGTGGCTGGGTTTCCATCTTCTCAGTC
 CTGGGCTTCATGGCATAACGAGCAGGGTGTGCCTATTGCCGAGGTGGCAGAGTCAGTCTTGACTGGCT
 TCATCGCTACCCCAAGGCTGTCACTATGATGCCCTCTCTCCACTGTGGGCCACCTTGTCTTTCATGAT
 GCTCATCTTCTGGGCTGGACAGTCAGTTTGTGTGCTGGAGAGTCTTGTGACAGCCGTTGGTAGACATG
 TACCCTAAGTCTTCCGGCGGGCTACCGGCGAGAAGTCTCATCCTGGCCCTGTCCATCATCTCCTATT
 TCTAGGCCTGGTGTGCTGACCGAGGGAGGCATGTACATCTTCCAGCTTTTGTACTACACGCCCCAG
 TGGCATGTGCTTGTCTTTGTGGCCATCTTTGAGTGTGCTGCATCGGCTGGGTATATGGAAGCAACCGG
 TTCTATGACAATATTGAGGATATGATTGGTTACCGGCCACTGCACTCATCAAGTGGTGTGAAAGTGC
 TGACCCCTGGGATCTGTGCGGGCATCTTATCTTCTTTCTGGTCAAGTACAAACCGCTCAAGTACAACA
 TGTGTACACATATCCTGCTTGGGCTACGGCATCGGCTGGCTCATGGCTCTGCTCCATGCTGTGTATC
 CCACTCTGGATCTCATTAAAGCTGTGGAAGACAGAGGGCACACTGCCCGAGAAATTACAGAAAGTTGACAG
 TCCCCAGCGCGATCTGAAAATGCGGGGCAAGCTTGGGGCCAGCCACGGACGGTACCGTTAATGACTG
 TGAGGCCAAGGTCAAGGGCGACGGCACCATCTCTGCCATCACAGAGAAGGAGACACACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222134 representing NM_172890
 Red=Cloning site Green=Tags(s)

MTAEQALPLGNGKAAEEARGSETLGGGGGAAGTREARDKAVHERGHWNKVEFVLSVAGEIIGLGNVWR
 FPYLYCYKNGGAFLLIPYVVFICCGIPVFLELALGQFTSEGGITCWRRVCPLEFEGYATQVIEAHLNV
 YYIILAWAIFYLSNCFTELWPATCGHEWNTKCVFQKLNFSNYSHVSLQNATSPVMFERRVLAIS
 DGIEHIGNLRWELALCLLAAWTICYFCIWKGTSTGKVVVYVATFPYIMLLILLIRGVTLPGASEGIKFY
 LYPDL SRLSDPQVWVDAGTQIFFSYAICLGLTALGSYNNYNNCYRDCIMLCCLNSGTSFVAGFAIFSV
 LGFMAYEQGVPIAEVAESGGLAFIAYPKAVTMMPLSPLWATLFFMMLIFLGLDSQFVCVESLVTAVVDM
 YPKVFRRYRRELLILALSIIISYFLGLVMLTEGMYIFQLFDSYAASGMCLL FVAIFECVCI GWVYGSNR
 FYDNIEDMIGYRPLSLIKWCWKVVTGICAGIFIFFLVKYKPLKYNVYTYPAWGYGIGWLMALSSMLCI
 PLWIFIKLWKTEGTLPEKLQKLTVPSADLMRKGKLGASPRVTVNDCEAKVKGDGTISAITEKETHF

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2038_d11.zip

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

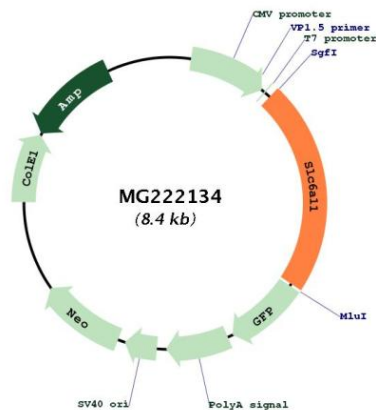
Locus ID: 243616

UniProt ID: [P31650](#)

Cytogenetics: 6 52.98 cM

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 MG222134