

Product datasheet for **MC219496**

Slc6a13 (NM_144512) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc6a13
Synonyms:	Gabt3; Gat2; GAT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC219496 representing NM_144512
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAACAGGGCCTCGGGAACAACAGTAATGGAGAGACAAAGCCAGTGTGTCCAGCCATGGAGAAAAG
 TGGAGGAAGATGGTACCCTGGAACGGGAGCACTGGAACAACAAGATGGAGTTTGTGCTGTCTGTGGCTGG
 GGAGATCATTTGGCTTAGGCAACGTCTGGAGGTTTCCCTATCTCTGTACAGAAGCGGGGAGGTGCCTTC
 TTTATCCCCACCTCATCTTCTTTTACCTGTGGCATCCCTGTCTTCTTCTGGAGACAGCGCTTGGCC
 AGTACACCAACAGGGAGGCATCACAGCCTGGAGGAGAATCTGTCCCATCTTTGAAGGCATCGGCTATGC
 CTCACAGATGATCGTCAGCCTCCTCAATGTCTACTACATCGTTGTCTGGCCTGGGCCCTTCTACCTC
 TTCAGCAGCTTCACTGACCTCCCTGGGGAAGTTGAGCCATGAGTGAATACAGAAAAGTGTGTGG
 AATTCCAGAAGGCCAATGATTCATGAATGTGACCTCCGAGAATGCCACCTCCCTGTATCGAGTTCTG
 GGAGAGGCGAGTCTGAAGCTCTCGGATGGCATCCAGCACCTGGGGTCCCTGCGCTGGGAAGTGGTCTG
 TGCCTCCTGCTCGCTGGATCATCTGCTACTTCTGCATCTGGAAGGGGGTCAAGTCCACGGGCAAGGTGG
 TCTACTTCACAGCCACTTTCCTTACCTCATGCTGGTGGTCTGTTGATTGAGGAGTGACACTGCCCGG
 AGCAGCCCAAGGAATTCAGTTTACCTGTACCCCAACATCACAGCTCTGTGGGATCCCCAGGTGTGGATG
 GATGCAGGCACCCAGATCTTCTTCTCTTGGCATCTGTCTGGGGTCCCTACGGCCCTGGGAAGCTACA
 ACAAGTACCACAACAATTGCTACAGGGAAGTGCATCGCCCTTTGCATCCTCAACAGCAGCACCAGCTTCAT
 GGCCGGGTTTGCTATCTTCTCCATCCTGGGCTTCATGTCTCAGGAGCAGGGTGTGCCATATCTGAGGTT
 GCTGAATCAGGCCCTGGCTGGCATTATCGCCTACCCTCGAGCTGTGGTGTGTTACCTTCTCACCGT
 TGTGGGCTGCTGTTTCTTCTCATGGTCTTCTCTGGGACTAGATAGCCAGTTTGTGTGTAGAAAAG
 CCTTGTGACAGCATTAGTGGACATGTATCCCGGGTGTTCGTAAGAAGAATCGGAGGGAGGTCCTCATC
 CTTATTGTGTCCTGTCATCTCGTTCTTCATCGGGCTCATCATGCTCACAGAGGGCGGCATGTACGTGTTCC
 AGCTCTTTGACTACTATGCAGCCAGTGGCATGTGTCTTCTCTTCTGTTGGCCATCTTTGAGTCCCTCTGTGT
 GGCTTGGGTTTATGGAGCCGGCCGCTTCTACGACAACATTGAGGATATGATTGGGTATAAGCCATGGCCT
 CTTATCAAAATATTGTTGGCTCTTTTTCACGCCAGCTGTGTGCTGGCGACCTTCTGTTCTCCCTGATCA
 AATACAGCCACTGACCTACAACAAGAAGTACACGTACCCATGGTGGGGGGATGCCCTAGGGTGGCTCCT
 AGCTCTGTCTCCATGATCTGCATTCTGCCTGGAGCATCTACAAGCTGAGGACTCTCAAGGGCCCACTC
 AGAGAGAGACTTCGCCAGCTGTGTCCCGGCTGAAGACCTTCCCAGAAGAACCAACAGGCCAACTG
 CTCTGCGACACCGATGACATCCCTTCTCAGGCTCACAGAAGTGGAGTCTAACTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_144512

Insert Size: 1809 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_144512.2, NP_653095.1</u>
RefSeq Size:	2150 bp
RefSeq ORF:	1809 bp
Locus ID:	14412
UniProt ID:	<u>P31649</u>
Cytogenetics:	6 F1
Gene Summary:	Sodium-dependent GABA and taurine transporter. In presynaptic terminals, regulates GABA signaling termination through GABA uptake. In the liver, may be the major contributor for GABA uptake. Also involved in beta-alanine transport.[UniProtKB/Swiss-Prot Function]