

Product datasheet for **RN206562**

Slc6a13 (NM_133623) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a13 (NM_133623) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a13
Synonyms:	GAT-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN206562 representing NM_133623

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**

ATGGATAACAGGGTCTCGGGAACGACCAGTAATGGAGAGACAAAGCCAGTGTGTCCAGTCATGGAGAAGG
TGGAGGAAGACGGTACCTTGGAACGGGAGCAATGGACCAACAAGATGGAGTTTCGTAAGTGTGAGTGGCGGG
AGAGATCATTGGCTTAGGCAACGCTCGGAGGTTTCCCTATCTCTGCTACAAGAACGGGGAGGTGCCTTC
TTTATTCCTACCTCATCTTCTATTTACCTGTGGCATTCTGTCTTCTTCTGGAGACAGCGCTTGGCC
AGTACACCAACCAGGGAGGCATCACAGCCTGGAGGAAAATCTGTCCCATCTTCGAGGGCATCGGCTATGC
CTCACAGATGATCGTCAGCCTTCTCAATGTCTACTACATCGTTGTCTGGCCTGGGCCCTTCTACCTC
TTCAGCAGCTTACCAGTACCTCCCCTGGGTAGCTGCAGCCACGAGTGAATACAGAAAAGTGTGTGG
AGTTCCAGAAAACCAACAATTCCCTGAATGTGACTTCTGAGAATGCCACATCCCCTGTCTCGAGTTCTG
GGAGAGGCGAGTCTGAAGATCTCAGATGGCATCCAGCACCTGGGGTCCCTGCGCTGGGAGCTGGTCTGT
TGCTCTCTGCTTGCCTGGATCATCTGCTATTTCTGCATCTGAAAAGGGGTCAAGTCCACAGGCAAGGTGG
TGTAATTCACAGTACTTTCCTTACCTCATGCTGGTGGTCTGTGATCCGAGGAGTAACACTGCCTGG
AGCAGCCAGGGAATTCAGTTTTACCTGTACCCCAACATCACACGTCTGTGGGATCCCCAGGTGTGGATG
GATGCGGGCACCAGATCTTCTTCTCCTTGGCATCTGCCTGGGGTGCCTACGGCCCTGGGCAGCTACA
ACAAGTACCACAACAAGTCTACAGGGACTGCGTCGCCCTTTCGATTCTCAACAGCAGCACCAGCTTCGT
GGCCGGGTTTGCATCTTCTCCATCCTGGGCTTCATGTCTCAGGAGCAGGGCGTACCCATATCTGAGGT
GCTGAATCAGGCCCTGGCCTGGCATTATCGCCTACCTCGAGCTGTGGTGTGTTACCTTCTCGCCTT
TGTGGCCTGCTGTTTCTTCTCATGGTGGTTCCTGGGACTAGACAGCCAGTTTGTGTGTAGAAAAG
CCTCGTGACAGCGCTGGTGGACATGTATCCCGGGTGTCCGTAAGAAGAACCAGGAGGAGATTCTCATC
CTCATCGTGTCTGCTGCTCTTTCTTCTCATCGGGCTCATTATGCTCACAGAGGGCGGCATGTACGTGTTCC
AGCTCTTCGACTACTATGCGGCCAGTGGCATGTGTCTTCTCTTGTGGCCATCTTGTAGTCCCTCTGTGT
GGCTTGGGTTTACGGAGCCAGCCGCTTCTATGACAACATTGAAGATATGATTGGGTACAAGCCGTGGCCT
CTTATCAAATACTGTTGGCTCTTTTTCAGCCAGCTGTGTGCTGGCAACCTTCTGTCTCCCTGATCA
AATACAGCCACTGACCTACAACAAGAAGTACACATATCCATGGTGGGGGATGCCCTGGGGTGGCTCCT
AGCTCTGTCTCCATGGTCTGCATTCTGCCTGGAGCATCTACAAGCTCAGGACTCTCAAGGGCCCACTC
AGAGAGAGACTTCGCCAGCTCGTGTGCCGGCTGAAGACCTTCCCAAGAAGGCCAACAGAGCTGACTT
CTCCAGCGACACCGATGACGTCCCTCCTCAGGCTCACAGAACTGGAGTCTAACTG**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_133623

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_133623.1</u> , <u>NP_598307.1</u>
RefSeq Size:	2028 bp
RefSeq ORF:	1809 bp
Locus ID:	171163
UniProt ID:	<u>P31646</u>
Cytogenetics:	4q42
Gene Summary:	high-affinity gamma-aminobutyric acid (GABA) transporter; terminates biological actions of GABA by reuptake into cell; reuptake function utilizes sodium and chloride concentration gradient [RGD, Feb 2006]