

Product datasheet for RC231622

SLC6A13 (NM_001243392) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC6A13 (NM_001243392) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC6A13
Synonyms: GAT-2; GAT2; GAT3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231622 representing NM_001243392
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGATAGCAGGGTCTCAGGCACAACCAGTAATGGAGAGACAAAACCACTGTATCCAGTCATGAAAAGA
AGGAGGAAGATGGCACCTGGAGCGGGGCACTGGAACAACAAGATGGAGTTTGTGCTGTCAGTGGCTGG
GGAGATCATTGGCTTAGGCAACGTCTGGAGTTTCCCTATCTCTGCTACAAAAATGGGGAGGTGAGATG
AGAGCCCTTGTGCCACCCACCCACTCCTGGAAGGAGATACTCCATCTCCTGCACTTACGGCCCTCT
GGGGAGTCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231622 representing NM_001243392
Red=Cloning site Green=Tags(s)

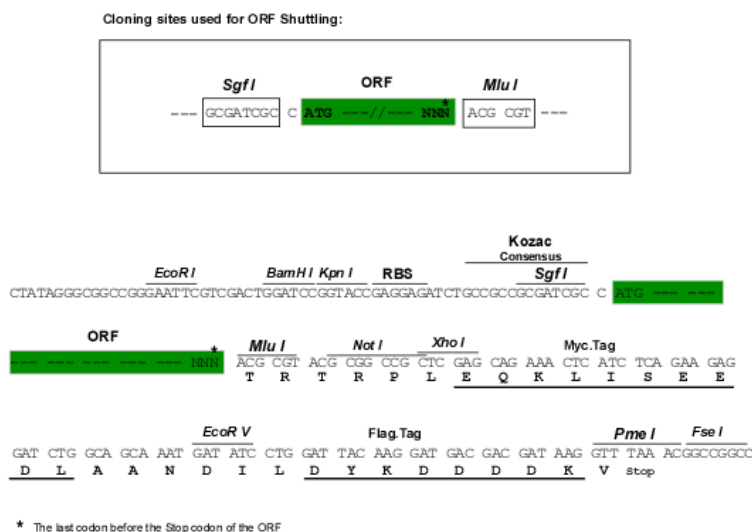
MDSRVSGTTSNGETKPVYPVMEKKEEDGLERGHWNKMEFVLSVAGEIIGLGNVWRFYPYLCYKNGGEM
 RALVPPHPLLEGYFHLHLRPLWGVP

TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


[View online »](#)

Cloning Scheme:



ACCN: NM 001243392

ORF Size: 291 bp

OTI Disclaimer: 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.

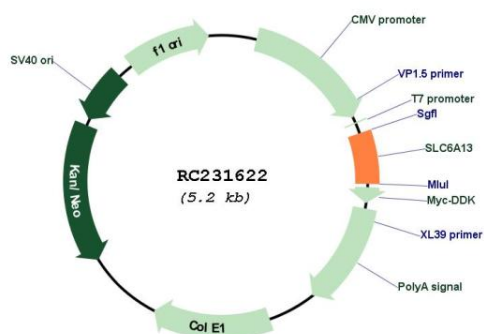
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001243392.2](#)

RefSeq Size: 1177 bp

RefSeq ORF:	294 bp
Locus ID:	6540
UniProt ID:	Q9NSD5
Cytogenetics:	12p13.33
Protein Families:	Druggable Genome, Transmembrane
MW:	11.4 kDa
Gene Summary:	Sodium-dependent GABA and taurine transporter. In presynaptic terminals, regulates GABA signaling termination through GABA uptake. May also be involved in beta-alanine transport. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231622