

Product datasheet for **RG208822**

SLC32A1 (NM_080552) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC32A1 (NM_080552) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC32A1
Synonyms:	VGAT; VIAAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208822 representing NM_080552
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCTTGCTCCGAGCAAGCTGTCCAACGTGGCCACGTCCGTGTCCAACAAGTCCCAGGCCAAGA
 TGAGCGCATGTTTCGCCAGGATGGGTTTTCAAGCGGCCACGGATGAGGAGCGGTGGCTTCGCGCATTG
 CGACGACCTCGACTTTGAGCACCGCCAGGGCTGCAGATGGACATCCTGAAAGCCGAGGGAGAGCCCTGC
 GGGACGAGGGCGCTGAAGCGCCGTCGAGGGAGACATCCATTATCAGCGAGGCAGCGGAGCTCCTCTGC
 CGCCCTCCGGCTCCAAGGACCAGGTGGGAGGTGGTGGCAATTCGGGGGCCACGACAAGCCAAAAATCAC
 GGCGTGGGAGGCAGGCTGGAACGTGACCAACGCCATCCAGGGCATGTTCTGTGCTGGGCTACCTACGCC
 ATCCTGCACGGCGCTACCTGGGTTGTTTCTCATCATCTTCGCCCGCTTGTGTGCTGCTACACCGCA
 AGATCCTCATCGCTGCCTGTACGAGGAGAATGAAGACGGCGAGGTGGTGCCTGCGGGACTCGTACGT
 GGCCATAGCCAACGCCTGCTGCGCCCGCGCTTCCCAACGCTGGCGGCCGAGTGGTGAACGTAGCGCAG
 ATCATCGAGCTGGTGATGACGTGCATCCTGTACGTGGTGGTGAAGTGGCAACCTCATGTACAACAGCTCC
 CGGGGCTGCCCGTGTGCGAGAAGTCTGGTCCATTATCGCCACGGCCGTGCTGCTGCCTTGCCTTCTCT
 TAAGAACCTCAAGGCCGTGTCCAAGTTCAGTCTGCTGTGCACTCTGGCCACTTCGTCATCAATATCCTG
 GTCATAGCCTACTGTCTATCGCGGGCGCGACTGGGCTGGGAGAAGGTCAAGTCTACATCGACGTCA
 AGAAGTCCCCATCTCCATTGGCATCATCGTGTTCAGTACACGTCTCAGATCTTCTGCCTTCGCTGGA
 GGGCAATATGCAGCAGCCAGCGAGTCCACTGCATGATGAACGGACGCACATCGCAGCCTGCGTGCTC
 AAGGGCTCTTCGCGCTCGTGCCTACCTCACCTGGGCCGACGAGACCAAGGAGGTATCACGGATAACC
 TGCCCGGCTCCATCCGCGCGTGGTCAACATCTTCTGGTGGCCAAAGCGCTGTTGCTCTATCCTTCC
 ATTCTTTGCCCGTGTGAGGTGCTGGAGAAGTCCGCTCTTCCAGGAAGGCAGCCGCGCTTTTTCCGCGCC
 TGCTACAGCGGCGACGGGCGCTGAAGTCTGGGGCTGACGCTGCGCTGCGCGCTGCTGCTTTCACGC
 TGCTCATGGCATTATGTGCCGCACTTCGCGTGTGCTCATGGGCTCACCGGCAGCCTCACGGGCGCCGG
 CCTCTGTTTCTGCTGCCAGCCTTTTACCTGCGCCTGCTCTGGCGAAGCTGCTGTGGCACCAAGTC
 TTCTTCGACGTCGCCATCTTCGTCATCGCGGCATCTGCAGCGTGTCCGGCTTCGTGCATCCCTCGAGG
 GCCTCATCGAAGCCTACCGAACCAACGCGGAGGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208822 representing NM_080552
 Red=Cloning site Green=Tags(s)

MATLLRSKLSNVATSVSNKSQAKMSGMFARMGFQAATDEEAVGFAHCDLDFEHRQLQMDILKAEGEPC
 GDEGAEPVEGDIHYQRGSGAPLPPSGSKDQVGGGGEFGGHDKPKITAWAAGWNVTNAIQGMFVLGLPYA
 ILHGGYLGLFLIIFAAVVCCYTKILIACLYEENEDGEVVRVRSYVAIANACCAPRFPPLGGRVNVAAQ
 IIELVMTCILYVVVSGNLMYNSFPGLPVSQKSWSIATAVLLPCAFLKNLKAIVKFSLLCTLAHFVINIL
 VIAYCLSRARDWAEKVKFYIDVKKFPIISIGIIVFSYTSQIFLPSLEGNMQQPSEFHCMMNWTHIAACVL
 KGLFALVAYLTWADETKEVITDNLPGSIRAVVNIPLVAKALLSYPLPFFAAVEVLEKSLFQEGSRAFFPA
 CYSGDGRLKSWGLTLRCALVVFTLLMAIYVPHFALLMGLTGSLTGAGLCFLLPSLFHLRLLWRKLLWHQV
 FFDVAIFVIGGICSVSGFVHSLEGLIEAYRTNAED

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_080552

ORF Size: 1575 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.

RefSeq: [NM_080552.3](#)

RefSeq Size: 2581 bp

RefSeq ORF: 1578 bp

Locus ID: 140679

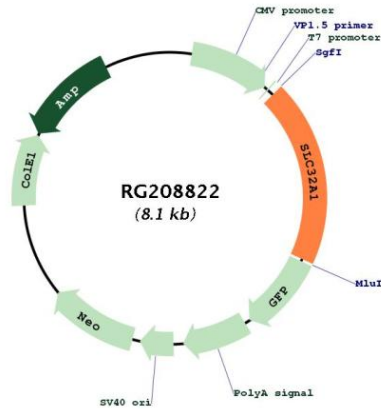
UniProt ID: [Q9H598](#)

Cytogenetics: 20q11.23

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is an integral membrane protein involved in gamma-aminobutyric acid (GABA) and glycine uptake into synaptic vesicles. The encoded protein is a member of amino acid/polyamine transporter family II. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208822