

Product datasheet for **RG225634**

SLC35E2B (NM_001110781) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35E2B (NM_001110781) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35E2B
Synonyms:	SLC35E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225634 representing NM_001110781 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGTCCTCGGTGAAAACCCAGCACTGGAAGAGCTGGTTCCTGGCTCCGAAGAGAAGCCGAAAGGCA
 GGTCGCCTCTCAGCTGGGGCTCTCTGTTTGGTCACCGAAGTGAGAAGATTGTTTTTGCCAGAGCGACGG
 CGGCACAGATGAGAACGTACTGACCGTCACCATCACGGAGACCACGGTCATCGAGTCAGACTTGGGTGTG
 TGGAGCTCGGGCGCTGCTCTACCTCACGCTGTGGTTCTTCTCAGCTTCTGCACGCTCTTCTCAACA
 AGTACATCCTGTCCCTGCTGGGAGGCGAGCCAGCATGCTAGGTGCGGTGCAGATGCTGTCCACCACGGT
 TATCGGGTGTGTGAAAACCTCGTTCCTTGTGTTGTATCAGCACAAGGCCCGGCTTCTCTACCCACCC
 AACTTCCTTATGACGATGCTGTTTGTGGGTCTGATGAGGTTTGCAACTGTGGTTTTGGGTTTGGTCAGCC
 TGAAAAATGTGGCGGTTTCGTTTGTGAGACGGTGAAGAGCTCCGCCCATCTTCACGGTGATCATGTC
 TCGGATGATTCTGGGGGAGTACACAGGGCTGCTGGTCAACCTCTCCCTCATCCCAGTCATGGGCGGGCTG
 GCGCTGTGCACGGCCACTGAGATCAGCTTCAATGTCTGGGGTTCTCGGCCGCACTGTCCACCAACATCA
 TGGACTGTTTGAAAATGTTTTTCAAAAAGCTGCTCAGCGGGGACAAATACAGTTCTCGGCCCGGA
 GCTGCAGTTCTACACAGCGCCGCTGCGGTGGCCATGCTCGTCCCGGCCCGGTTTTCTTACGGACGTC
 CCAGTGATCGGGAGGAGTGGGAAGAGCTTCACTACAACCAGGACGTGGTGTCTGCTTCTGACAGACG
 GAGTCCTGTTCCACCTTCAGAGCGTCACGGCGTACGCCCTCATGGGGAATCTCCCGGTGACTTTCAG
 CGTCGCCAGCACCGTGAAACATGCCTTGTCCATCTGGCTCAGCGTAATCGTTTTTCGGCAACAAGATCACC
 AGCTTGTGCGCCGTTGGCACAGCCCTGGTGACCGTTGGGGTCTGCTCTACAACAAGCCAGGCAACACC
 AGCAGGAGGCGCTGCAGAGCCTGGCTGCAGCCACTGGCCGGGCCCCAGACGACACAGTGGAGCCGCTGCT
 TCCACAGGACCCAGGCAGCATCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG225634 representing NM_001110781
 Red=Cloning site Green=Tags(s)

MSSSVKTPALEELVPGSEEEKPKGRSPLSWGSLFGHRSEKIVFAKSDGGTDENVLTVTITETTVIESDLGV
 WSSRALLYLTWFFFSTLFLNKYILSLLGGEPSTMLGAVQMLSTTVIGCVKTLVPCLYQHKARLSYPP
 NFLMTMLFVGLMRFATVVLGLVSLKNVAVSFAETVKSSAIFTVIMSRMILGEYTGLLVNLSLIPVMGGL
 ALCTATEISFNVLGFSAAALSTNIMDCLQNVFSKKLLSGDKYRFSAPELQFYTSAAAVAMLPARVFFTDV
 PVIGRSGKSFSYNQDVVLLLLTDGVLFHLQSVTAYALMGKISPVTFSVASTVKHALSIWLSVIVFGNKIT
 SL SAVGTALVTGVLLYNKARQHQQEALQSLAAATGRAPDDTVEPLL PQDPRQHP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001110781

ORF Size: 1215 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_001110781.3

RefSeq Size: 6020 bp

RefSeq ORF: 1218 bp

Locus ID: 728661

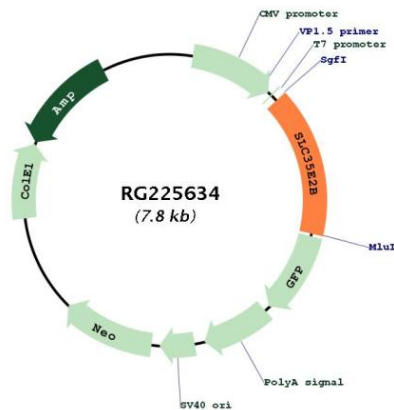
UniProt ID: Q5CZA4

Cytogenetics: 1p36.33

Protein Families: Transmembrane

Gene Summary: Putative transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG225634