

Product datasheet for **RG204145**

SLC35B1 (NM_005827) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC35B1 (NM_005827) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SLC35B1
Synonyms: AXER; UGTREL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204145 representing NM_005827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCTAGCAGCTCCCTGGTGCCCGACCGGCTGCGCCTGCCGCTCTGCTTCCTGGGTGTCTTTGTCT
 GCTATTTTTACTATGGGATCCTGCAGGAAAAGATAACAAGAGGAAAGTATGGGGAAGGAGCCAAGCAGGA
 GACGTTACCTTTGCCTAACTTTGGTCTTCATTCAATGTGTGATCAATGCTGTGTTGCCAAGATCTTG
 ATCCAGTTTTTTGACACTGCCAGGGTGGATCATACCCGGAGCTGGCTCTATGCTGCCTGTTCTATCTCCT
 ATCTGGGTGCCATGGTCTCCAGCAATTCAGCACTACAGTTTGTCAACTACCAACTCAGGTCCTTGGTAA
 ATCCTGCAAGCCAATCCCAGTCATGCTCCTTGGGGTGACCCTCTTGAAGAAGAAGTACCCGTTGGCCAAG
 TACCTGTGTGTGCTGTTAATTGTGGCTGGAGTGGCCCTTTTCATGTACAAACCAAGAAAGTTGTTGGGA
 TAGAAGAACACACAGTCGGCTATGGAGAGCTACTCTTGCTATTATCGCTGACCCTGGATGGACTGACTGG
 TGTTTCCAGGACCACATGCGGGCTCATTACCAACAGGCTCCAACCACATGATGCTGAACATCAACCTT
 TGGTCGACATTGCTGCTGGGAATGGGAATCCTGTTCACTGGGGAGCTCTGGGAGTTCTTGAGCTTTGCTG
 AAAGGTACCCTGCCATCATCTATAACATCCTGCTCTTTGGGCTGACCAGTGCCCTGGGTCAGAGCTTCAT
 CTTTATGACGGTTGTGTATTTTGGTCCCCTGACCTGCTCCATCATCACTACAACCTGAAAAGTTCTTCACA
 ATTTTGGCCTCTGTGATCCTCTTCGCCAATCCCATCAGCCCCATGCAGTGGGTGGCCTGTGCTTGTGT
 TCCTGGGTCCTTGGTCTTGATGCCAAGTTTGGGAAAGGAGCTAAGAAGACATCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204145 representing NM_005827
Red=Cloning site Green=Tags(s)

MASSSSLVPDRLRLPLCF LGVFVCFYFYGILQEKITRGKYGEGAKQETTFALT LVFIQCVINAVFAKIL
 IQFFD TARVDHTRSWLYAAC SISYL GAMVSSNSALQFVNYPTQVLGK SCKPIPVMLLGV TLLK KKYPLAK
 YLCVLLIVAGVALFMYKPKKVVGIEEHTVGYGELLLLLSL TLDGLTGV SQDHMRAHYQTGSNHMMLNINL
 WSTLLLGMGILFTGELWEFLSFAERYPAI IYNILLFGLT SALGQSFIFMTVVYFGPLTCSIITTRKFFT
 ILASVILFANPISPMQWVGTVLVFLGLGLDAKFGKGAKKTSH

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3182_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_005827

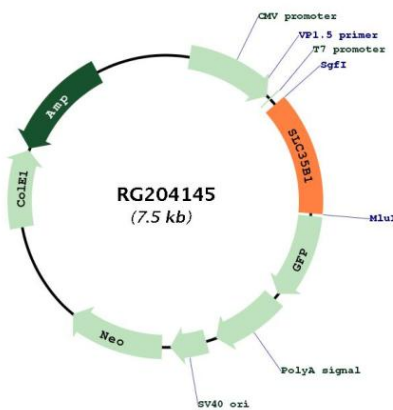
ORF Size: 966 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_005827.1</u> , <u>NP_005818.1</u>
RefSeq Size:	1186 bp
RefSeq ORF:	969 bp
Locus ID:	10237
UniProt ID:	<u>P78383</u>
Cytogenetics:	17q21.33
Domains:	DUF6
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a nucleotide sugar transporter which is a member of solute carrier family 35. The transporters in this family are highly conserved hydrophobic proteins with multiple transmembrane domains. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG204145