

Product datasheet for **RG200101**

SLC35C1 (NM_018389) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35C1 (NM_018389) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35C1
Synonyms:	CDG2C; FUCT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200101 representing NM_018389 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAGGGCCCTCTGAAGCGGTCCAGGATCCTGCACATGGCGCTGACCGGGCCTCAGACCCCTCTG
CAGAGGCAGAGGCCAACGGGAGAAGCCCTTCTGCTGCGGGCATTGCAGATCGCGCTGGTGGTCTCCCT
CTACTCGGTACCTCCATCTCCATGGTGTTCCTTAATAAGTACCTGCTGGACAGCCCTCCCTGCGGCTG
GACACCCCATCTTCGTACCTTCTACCAGTGCCTGGTGACCACGCTGCTGTGCAAAGGCCTCAGCGCTC
TGGCCCGCTGCTGCCCTGGTGGCGTGGACTTCCCAGCTTGGCCTGGACCTCAGGGTGGCCCGCAGCGT
CCTGCCCTGTCGGTGGTCTTATCGGCATGATCACCTTCAATAACCTCTGCCTCAAGTACGTGGTGTG
GCCTTCTACAATGTGGCCGCTCACTCACACCGTCTTCAACGTGCTGCTCTCCTACCTGCTGCTCAAGC
AGACCACCTCCTTCTATGCCCTGCTCACCTGCGGTATCATCATCGGGGGCTTCTGGCTTGGTGTGGACCA
GGAGGGGGCAGAAGGCACCCTGTCGTGGCTGGGCACCGTCTTCGGCGTGGTGGTGGTGGTGGTGGTGG
CTCAACGCCATCTACACCACGAAGGTGCTCCCGCGGTGGACGGCAGCATCTGGCGCCTGACTTTCTACA
ACAACGTCAACGCCTGCATCCTTCTGCCCCGCTCCTGCTGCTCGGGGAGCTTCAGGCCCTGCGTGA
CTTTGCCAGCTGGCAGTGGCCACTTCTGGGGATGATGACGCTGGCGGCCTGTTGGCTTGGCATC
GGCTACGTGACAGGACTGCAGATCAAGTTCACCGTCCGCTGACCCACAATGTGTCGGGCACGGCCAAG
CCTGTGCCAGACAGTGTGGCCGTGCTTACTACGAGGAGACCAAGAGCTTCTCTGGTGACGAGCAA
CATGATGGTGTGGCGGCTCCTCCGCTACACCTGGGTGAGGGCTGGGAGATGAAGAAGACTCCGGAG
GAGCCAGCCCCAAGACAGCGAGAAGAGCGCCATGGGGTG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200101 representing NM_018389
Red=Cloning site Green=Tags(s)

MNRAPLKRSRILHMA LTGASDPSAEAE ANGEKPFLLRALQIALVVSLSVTSISMVFLNKYLLDPSLRL
 DTPIFVTFYQCLVTTLLCKGLSALAACCPGAVDFPSLRDLRVARSVLPLSVVF IGMITFNNLCLKYVGV
 AFYNVGRSLTTVFNVLLSYLLLKQTT SFYALLTCGIIIGGFWLGV DQEGAEGTLSWLGTVFVGLASL CVS
 LNAIYTTKVLPAVDGSIWRLTFYNNVNACILFLPLLLLLGELQALRDF AQLGSAHFWGMMTLGGLFGFAI
 GYVTGLQIKFTSPLTHNVSGTAKACAQTVLAVLYYEETKSFLW WTSNMMVLGGSSAYTWVRGWEMKKTPE
 EPSPKDSEKSAMGV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018389

ORF Size: 1092 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_018389.3](#), [NP_060859.3](#)

RefSeq Size: 2836 bp

RefSeq ORF: 1095 bp

Locus ID: 55343

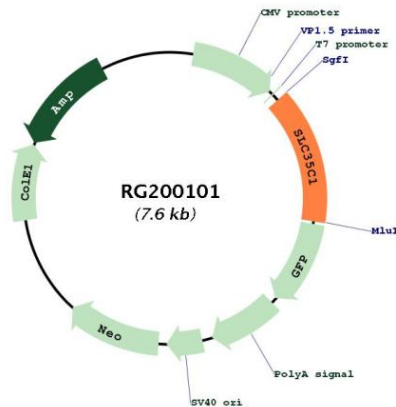
UniProt ID: [Q96A29](#)

Cytogenetics: 11p11.2

Protein Families: Transmembrane

Gene Summary: This gene encodes a GDP-fucose transporter that is found in the Golgi apparatus. Mutations in this gene result in congenital disorder of glycosylation type IIc. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RG200101