

Product datasheet for **RC227345**

SLC35C1 (NM_001145265) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC35C1
Synonyms:	CDG2C; FUCT1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC227345 representing NM_001145265
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTGACCGGGGCTCAGACCCCTCTGCAGAGGCAGAGGCCAACGGGGAGAAGCCCTTCTGCTGC
GGGCATTGCAGATCGCGCTGGTGGTCTCCCTCTACTGGGTACCTCCATCTCCATGGTGTTCCTTAATAA
GTACCTGTGGACAGCCCTCCCTGCGGCTGGACACCCCATCTTCGTCACCTTCTACCAAGTGCCTGGTG
ACCACGCTGCTGTGCAAGGCCTCAGCGCTCTGGCCGCTGCTGCCCTGGTGGCGTGGACTTCCCCAGCT
TGCGCCTGGACCTCAGGGTGGCCCGCAGCGTCTGCCCTGTCGGTGGTCTTCATCGGCATGATCACCTT
CAATAACCTCTGCCTCAAGTACGTCGGTGTGGCCTTCTACAATGTGGGCGCTCACTACCAACCGTCTTC
AACGTGCTGCTCTCTACCTGCTGCTCAAGCAGACCCTCCTTCTATGCCCTGCTCACCTGCGGTATCA
TCATCGGGGCTTCTGGCTTGGTGTGGACCAGGAGGGGCGAGAAGGCACCTGTCGTGGCTGGGCACCGT
CTTCGGCGTCTGGCTAGCCTCTGTGTCTCGCTCAACGCCATCTACACCACGAAGGTGCTCCCGCGCGTG
GACGGCAGCATCTGGCGCTGACTTCTACAACAACGTCAACGCCTGCATCCTCTTCTGCCCTGCTCC
TGCTGCTCGGGGAGCTTCAGGCCCTGCGTGACTTTGCCAGCTGGGCGAGTGGCCACTTCTGGGGGATGAT
GACGCTGGGCGGCTGTTTGGCTTTGCCATCGGCTACGTGACAGGACTGCAGATCAAGTTACCAAGTCCG
CTGACCCACAATGTGTGGGACGCGCAAGGCCTGTGCCAGACAGTGTGGCCGTGCTCTACTACGAGG
AGACCAAGAGCTTCTCTGGTGGACGAGCAACATGATGGTGTGGGCGGCTCCTCCGCCTACACCTGGGT
CAGGGGCTGGGAGATGAAGAAGACTCCGGAGGAGCCAGCCCCAAAGACAGCGAGAAGAGCGCCATGGGG
GTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC227345 representing NM_001145265

Red=Cloning site Green=Tags(s)

MALTGASDPSAEAEANGEKPFLLRALQIALVVSLSYWVTSISMVFLNKYLDDSPSLRLDTPIFVTFYQCLV
TTLLCKGLSALAACCPGAVDFPSRLDLRVARSVLPLSVVFIGMITFNCLKYVGVAFYNVGRSLTTVF
NVLLSYLLKQTTSFYALLTCGIIIGGFWLGVDQEGAEGTSLWLTGTVFGLASLCVSLNAIYTTKVLPAV
DGSIWRLTFYNNVNACILFLPLLLLGLQALRDFALQLSAHFWGMMTLGGLFGFAIGYVTGLQIKFTSP
LTHNVSGTAKACAQTVLAVLYEETKSFLWMTSNMMVLGGSSAYTWVRGWEMKKTPPEPSPKDSEKSAMG
V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

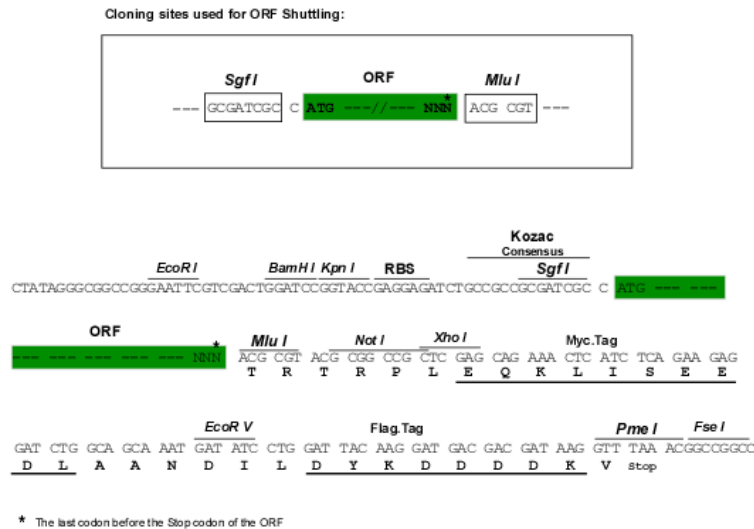
Chromatograms:

https://cdn.origene.com/chromatograms/ja1525_f02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001145265

ORF Size:

1053 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:

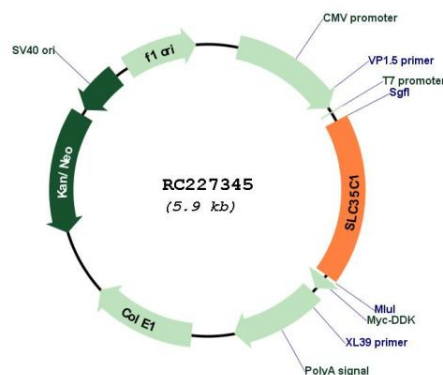
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001145265.2</u>
RefSeq ORF:	1056 bp
Locus ID:	55343
UniProt ID:	<u>Q96A29</u>
Cytogenetics:	11p11.2
Protein Families:	Transmembrane
MW:	38.1 kDa
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 RC227345