

Product datasheet for **RC225549**

SLC35G1 (NM_001134658) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC35G1
Synonyms:	C10orf60; POST; TMEM20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225549 representing NM_001134658
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGCCTCAGGACAGCACCGGGGTGCGCGAGCTCCAGGAGCCCGGGCTGCCGCTAACGGACGATGCAC
CCCCGGGCGCCACTGAGGAGCCGGCGGCCCGCAGGCAGCTGGGGCGCCAGACCGCGTAGGTGCTGGCT
CTGCCCTTCTCGCCGTGTGCTCCCGCACCGAGCCGGAAGCAAGAAGAACCCCTGTCCTGGACTT
GGCTTGTTTACACATTATTGCTGCCTTCCTTTCTCAGTGGGCTCTTTATTTGTTAAAAAAGTGCAAG
ACGTCCATGCTGTAGAGATTAGTGCCTTCGATGTGTGTTCCAAATGCTAGTTGTTATCCCTTGCTTAAT
ATACAGAAAACTGGGTTTATAGGCCAAAAGGTCAACGAATTTTCCTCATTCTCAGAGGAGTCCTTGGT
TCTACCGCCATGATGCTTATATACTATGCTTACCAGACAATGTCCCTCGCTGATGCCACAGTTATCACGT
TTAGCAGTCCAGTGTTCAGTCCATATTTGCTTGGATATGTCTCAAGGAAAAATAGCCCTTGGGATGC
TCTTTTCACCGTGTTCACAATCACTGGAGTGATCCTTATCGTGAGACCACCATTTTGTGTTGCCGAC
ACTTCGGGGATGGAAGAAAGCTATTCAGGCCACCTTAAGGGAACATTCGAGCAATTGGAAGTGCCGTAT
TTGCTGCATCGACTCTAGTTATCCTAAGAAAAATGGGAAATCTGTGGACTACTTTCTGAGCATTGTTGTA
TTATGTAGTACTTGGCTCGTTGAAAGTGTCATCATCTCTGTATTAGGAGAGTGGAGTCTGCCTTAC
TGTGGGTTGGACAGGCTATTTCTCATATTCAATTGGGCTCTTTGGTTGGGGGGTCAGATATTTATCACAA
AAGCACTTCAAATAGAAAAAGCAGGGCCAGTAGCAATAATGAAGACAATGGATGTGGTCTTTGCTTTTAT
CTTTCAGATTATTTCTTTAATATGTGCAACGTGGTGGACAGTGGGTGGTCTCTGCGTAGTAGCC
AGTAATGTTGGAGCGCCATTCTGAATGGTACCAAAGTTCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225549 representing NM_001134658

Red=Cloning site Green=Tags(s)

MRPQDSTGVAELQEPGLPLTDDAPPGATEEPAAAEAGAPDRGRCWLCLSSPCCSRTEPAKKKAPCPGL
GLFYTLLSAFLFSVGSFLVKKVQDVHAVEISAFRCVFQMLVVIPLIYRKTGFIPKGQRIFLILRGVLG
STAMMLIYYAYQTMSLADATVITFSSPVFTSIFAWICLKEKYPWDALFTVFTITGVILIVRPPFLFGSD
TSGMEESYSGHLKGTFAAIGSAVFAASTLVILRKMGSVDYFLSIWYVVVLGLVESVILSVLGEWSLPY
CGLDRLFLIFIGLFGGGQIFITKALQIEKAGPVAIMKTMDVVFVAFIFQIIFNNVPTWWTVGALCVVA
SNVGAIRKWKYQSSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

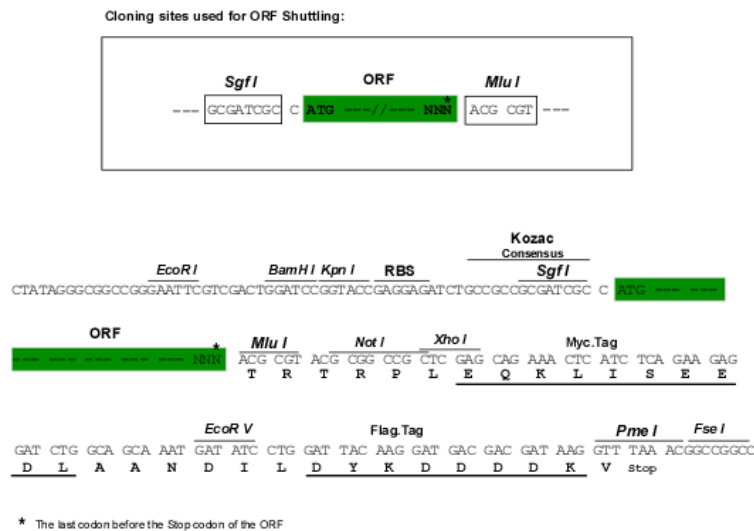
Chromatograms:

https://cdn.origene.com/chromatograms/mk8055_a07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001134658

ORF Size:

1095 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:

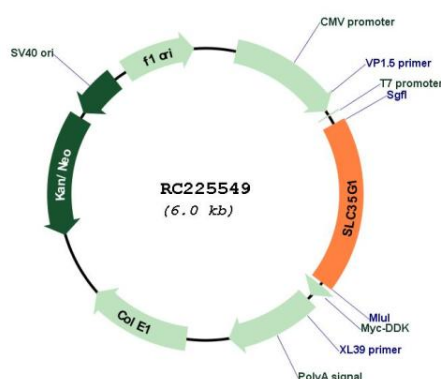
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001134658.3</u>
RefSeq ORF:	1098 bp
Locus ID:	159371
UniProt ID:	<u>Q2M3R5</u>
Cytogenetics:	10q23.33
Protein Families:	Transmembrane
MW:	39.7 kDa
Gene Summary:	This gene encodes a transmembrane protein which is a member of the drug/metabolite transporter protein superfamily. The encoded protein may play a role in the regulation of calcium levels inside the cell. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC225549