

Product datasheet for **RC226103**

SLC5A9 (NM_001135181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A9 (NM_001135181) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC5A9
Synonyms:	SGLT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC226103 representing NM_001135181
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAAGGAGCTGGCAGCAATGGGCGCTGGAGCTTCAGGGGACGGGGTCAGGACTGAGACAGCTCCAC
ACATAGCACTGGACTCCAGAGTTGGTCTGCACGCCACGACATCAGCGTGGTGGTCATCTACTTTGTCTT
CGTCATTGCTGTGGGATCTGGTCGTCCATCCGTGCAAGTCGAGGGACCATTGGCGGCTATTTCTGGCC
GGGAGGTCATGAGCTGGTGGCCAATTGGAGCATCTCTGATGTCCAGCAATGTGGGCAGTGGCTTGTTC
TCGGCCTGGCTGGGACAGGGGCTGCCGGAGGCCTTGCCGTAGGTGGCTTCGAGTGAACATGAGGAAATC
AAGGTCTGGAGGAGACAGAGGGATCCATCCAAGGTCACACGGGAGGACTGGGGTCAGGTCCAGGCAACC
TGGCTGCTCTGGCCCTTGGCTGGTCTTCGTCCCTGTGTACATCGCAGCAGGTGTGGTCACAATGCCGC
AGTATCTGAAGAAGCGATTTGGGGCCAGAGGATCCAGGTGTACATGTCTGTCTCTCATCTCTCTA
CATCTTACCAAGATCTCGACTGACATCTTCTCTGGAGCCCTTTCATCCAGATGGCATTGGGCTGGAAC
CTGTACCTCTCCACAGGATCCTGCTGGTGGTACTGCCGTCTACACCATTGCAGGTGGCCCTCATGGCCG
TGATCTACACAGATGCTCTGCAGACGGTATCATGGTAGGGGGAGCCCTGGTCTCATGTTTCTGGGCTT
TCAGGACGTGGGCTGGTACCCAGGCCTGGAGCAGCGGTACAGGCAGGCCATCCCTAATGTACAGTCCCC
AACACCACCTGTACCTCCCACGGCCGATGCTTCCACATTCTTCGGGACCCTGTGAGCGGGGACATCC
CTTGGCCAGGTCTCATTTTCGGGCTCACAGTCTGGCCACCTGGTGTGGTGCACAGACCAGGTCAATGT
GCAGCGGTCTCTCTCGGCCAAGAGTCTGTCTCATGCCAAGGGAGGCTCCGTGCTGGGGGCTACCTGAAG
ATCCTCCCATGTTCTTCATCGTCATGCCTGGCATGATCAGCCGGGCCCTGTTCCAGACAGGTGGGCT
GCGTGGACCCTGATGCTGCCAAAGAATCTGTGGGGCCGAGTGGGATGTTCCAACATGGCTACCTAA
GTTGGTCATGGCCCTCATGCCTGTTGGTCTGCGGGGGCTGATGATTGCCGTGATCATGGCCGCTCATG
AGCTCACTCACCTCCATCTTCAACAGCAGCAGCACCCCTGTTACCAATTGATGTGTGGCAGCGCTCCGCA
GGAAGTCAACAGAGCAGGAGCTGATGGTGGTGGCAGAGTGTGGTGGTGTCTGGTGTGCATCAGCAT
CCTCTGGATCCCCATCATCAAAGCTCCAACAGTGGCAGCTCTTCGACTACATCCAGGCTGTACCAGT
TACCTGGCCCCACCCATCACCGCTCTTCTCTGCTGGCCATCTTCTGCAAGAGGGTCACAGAGCCCGGAG
CTTTCTGGGGCTCGTGTGGCCTGGGAGTGGGCTTCTGCGTATGATCCTGGAGTTCTCATACCCAGC
GCCAGCCTGTGGGAGGTGGACCGGAGGCCAGCAGTGTGAAGGACTTCCACTACCTGTACTTTGCAATC
CTCCTCTGCGGGCTCACTGCCATCGTCATTGTCTATTGTGAGCCTCTGTACAACCTCCATCCCTGAGGAAC
AGCTCACAGCCTCACATGGTGGACTCGGAACTGCCCTCTCTGAGCTGGAGAAGGAGGCCACGAGAG
CACACCGGAGATATCCGAGAGGCCAGCCGGGAGTGCCTGCAGGAGGTGGAGCGGCAGAGAAGTCCGAGC
CTGGGCCAGGAGCAGCCTGAAGCCCAAGCAGGTCTGGGGAAAGTTGCTCTGGAGCTGGTCTGTGGGC
TCTCTGGAACACCGGAGCAGGCCCTGAGCCAGCAGAGAAGGCTGCGCTAGAACAGAAGTGCACAAGCAT
TGAGGAGGAGCCACTCTGGAGACATGTCTGCAACATCAATGCTGTCTTTTGTGGCCATCAACATCTTC
CTCTGGGGCTATTTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226103 representing NM_001135181
 Red=Cloning site Green=Tags(s)

MSKELAAMGPGASGDGVRTETAPHIALDSRVGLHAYDISVVVIYFVFIIVAVGIWSSIRASRGTIGGYFLA
 GRMSWPIGASLMSSNVGSLFIGLAGTGAAGGLAVGGFEWNMRKSRSGDGRGIHPRSHGRTGVRSQAT
 WLLLALGWVFPVYIAAGVVTMPQYLKKRFGGQRIQVYMSVLSLILYIFTKISTDIFSGALFIQMALGWN
 LYLSTGILLVVTAVYTIAGGLMAVIYTDALQTVIMVGGALVLMFLGFQDVGWYPLGQRYRQAIPNVTVP
 NTTCHLPRPDAFHILRDPVSGDIPWPLIFGLTVLATWCWCTDQVIVQRSLSAKSLSHAKGGSVLGGYLK
 ILPMFFIVMPGMISRALFPDEVGCVDPDVCQRICGARVGCNSIAYPKLVMALMPVGLRGLMIAVIMAALM
 SSLTSIFNSSLFTIDVWQRFRRKSTEQELMVVGRVVFVFLVVISILWIPIIQSSNSGQLFDYIQAVTS
 YLAPPITALFLLAIFCKRVTEPGAFWGLVFGLVGLLRMILEFSYPAPACGEVDRRPAVLKDFHYLYFAI
 LLCGLTAIVIVIVSLCTTPIPEEQLTRLTWTRNCPLSELEKEAHESTPEISERPAGECPAGGAAENSS
 LGQEPEAPSRSWGKLLWSWFCGLSGTPEQALSPA EKAAL EQKLSIEEEPLWRHVCNINAVLLLA INIF
 LWGYFA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001135181

ORF Size: 2118 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:

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_001135181.2](#)

RefSeq ORF: 2121 bp

Locus ID: 200010

UniProt ID: [Q2M3M2](#)

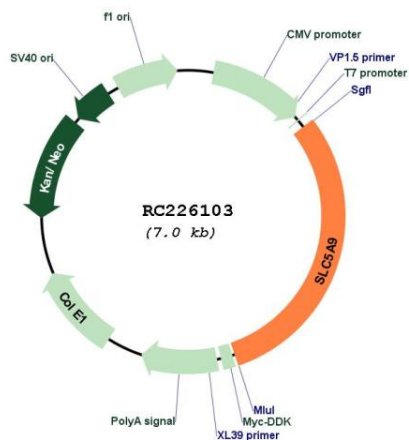
Cytogenetics: 1p33

Protein Families: Transmembrane

MW: 76.7 kDa

Gene Summary: Involved in sodium-dependent transport of D-mannose, D-glucose and D-fructose. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226103