

Product datasheet for **RC221490**

SLC5A9 (NM_001011547) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A9 (NM_001011547) 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)



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ORF Nucleotide
Sequence:

>RC221490 representing NM_001011547
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAAGGAGCTGGCAGCAATGGGGCCTGGAGCTTCAGGGACGGGGTCAGGACTGAGACAGCTCCAC
 ACATAGCACTGGACTCCAGAGTTGGTCTGCACGCCCTACGACATCAGCGTGGTGGTCATCTACTTTGTCTT
 CGTCATTGCTGTGGGATCTGGTCGTCCATCCGTGCAAGTCGAGGGACCATTGGCGGCTATTTCTGGCC
 GGGAGGTCATGAGCTGGTGGCCAATTGGAGCATCTCTGATGTCCAGCAATGTGGCAGTGGCTTGTTC
 TCGGCCTGGTGGGACAGGGGCTGCCGGAGGCCTTGCCGTAGGTGGCTTCGAGTGAACGCAACCTGGCT
 GCTCCTGGCCCTGGCTGGGTCTTCGTCCCTGTGTACATCGCAGCAGGTGTGGTCACAATGCCGAGTAT
 CTGAAGAAGCGATTTGGGGCCAGAGGATCCAGGTGTACATGTCTGTCTCTCATCTCTACATCT
 TCACCAAGATCTCGACTGACATCTTCTCTGGAGCCCTTTCATCCAGATGGCATTGGGCTGGAACCTGTA
 CCTCTCCACAGGGATCCTGCTGGTGGTACTGCCGTCTACACCATTGCAGGTGGCCTCATGGCCGTGATC
 TACACAGATGCTCTGCAGACGGTATCATGGTAGGGGGAGCCCTGGTCCTCATGTTTCTGGGCTTTCAAG
 ACGTGGGCTGGTACCCAGGCCTGGAGCAGCGGTACAGGCAGGCCATCCCTAATGTACAGTCCCCAACAC
 CACCTGTACCTCCCACGGCCGATGCTTTCCACATTCTTCGGGACCCTGTGAGCGGGGACATCCCTTGG
 CCAGGTCTCATTTTCGGGCTCACAGTGTGGCCACCTGGTGTGGTGCACAGACCAGGTCAATGTGCAGC
 GGTCTCTCTCGGCCAAGAGTCTGTCTATGCCAAGGGAGGCTCCGTGTGGGGGGCTACCTGAAGATCCT
 CCCCATGTTCTTCATCGTCATGCCTGGCATGATCAGCCGGGCCCTGTTCCAGACGAGGTGGGCTGCGTG
 GACCCTGATGTCTGCCAAGAATCTGTGGGGCCGAGTGGGATGTTCCAACATTGCCTACCTAAGTTGG
 TCATGGCCCTCATGCCTGTTGGTCTCGGGGGCTGATGATTGCCGTGATCATGGCCGCTCTCATGAGCTC
 ACTCACCTCCATCTTCAACAGCAGCAGCACCCCTGTTACCATTGATGTGTGGCAGCGCTTCCGCAGGAAG
 TCAACAGAGCAGGAGCTGATGGTGGTGGCAGAGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GGATCCCCATCATCAAAGCTCCAACAGTGGCAGCTCTTCGACTACATCCAGGTGTACCAGTTACCT
 GGCCCCACCCATCACCGCTCTCTTCTGCTGGCCATCTTCTGCAAGAGGGTCACAGAGCCCGGAGCTTTC
 TGGGGCTCGTGTGGCTGGGAGTGGGGCTTCTGCGTATGATCCTGGAGTTCTCATACCCAGCGCCAG
 CCTGTGGGAGGTGGACCGGAGGCCAGCAGTGTGAAGGACTTCCACTACCTGTACTTTGCAATCCTCCT
 CTGCGGGCTCACTGCCATCGTCATTGTCTATTGTGAGCCTCTGTACAACCTCCATCCCTGAGGAACAGCTC
 ACACGCCTCACATGGTGGACTCGGAAGTCCCCCTCTCTGAGCTGGAGAAGGAGGCCACGAGAGCACAC
 CGGAGATATCCGAGAGGCCAGCCGGGGAGTGCCCTGCAGGAGGTGGAGCGGCAGAGAAGTCCGAGCCTGGG
 CCAGGAGCAGCCTGAAGCCCAAGCAGGTCTGGGGAAAGTTGCTCTGGAGCTGGTTCTGTGGGCTCTCT
 GGAACACCGGAGCAGGCCTGAGCCAGCAGAGAAGGCTGCGCTAGAACAGAAGCTGACAAGCATTGAGG
 AGGAGCCACTCTGGAGACATGTCTGCAACATCAATGCTGTCTTTTGGTGGCCATCAACATCTTCTCTG
 GGGCTATTTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221490 representing NM_001011547
 Red=Cloning site Green=Tags(s)

MSKELAAMGPGASGDGVRTETAPHIALDSRVGLHAYDISVVVIYFVFVIAVGIWSSIRASRGTIGGYFLA
 GRMSWWPIGASLMSSNVGSLFIGLAGTGAAGGLAVGGFEWNATWLLLALGWVFPVYIAAGVVTMPQY
 LKKRFGGQRIQVYMSVLSLILYIFTKISTDIFSGALFIQMALGWNLYLSTGILLVVTAVYTIAGGLMAVI
 YTDALQTVIMVGGALVLMFLGFQDVGWYPLEQRYRQAIPNVTVPNTTCHLPRPDAFHILRDPVSGDIPW
 PGLIFGLTVLATWCWCTDQVIVQRSLSAKSLSHAKGGSVLGGYKILPMFFIVMPGMISRALFPDEVGCV
 DPDVCQRICGARVGCNSIAYPKLVMALMPVGLRGLMIAVIMAALMSSLTSIFNSSSTLFTIDVWQFRRK
 STEQELMVGRVFVFLVVISILWIPIIQSSNSGQLFDYIQAVTSYLAPPITALFLLAIFCKRVTEPGA
 WGLVFLGVLLRMILEFSYPAPACGEVDRRPAVLKDFHYLYFAILLCGLTAIVIVIVSLCTTPIPEEQL
 TRLTWWTRNCPLSELEKEAHESTPEISERPAGECPAGGAAENSSLGQEQPEAPSRSWGKLLWSWFCGLS
 GTPEQALSPA EKAALQKLSIEEEPLWRHVCNINAVLLLAINIFLWGYFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8073_d12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

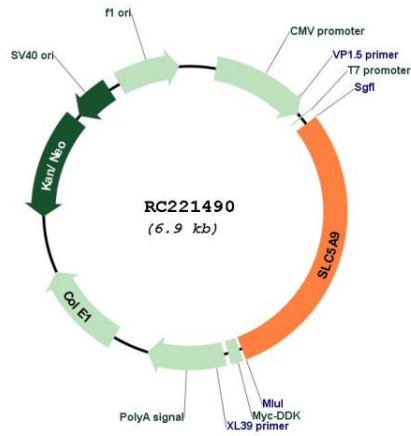


ACCN: NM_001011547

ORF Size: 2043 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	NM_001011547.3
RefSeq Size:	3227 bp
RefSeq ORF:	2046 bp
Locus ID:	200010
UniProt ID:	Q2M3M2
Cytogenetics:	1p33
Protein Families:	Transmembrane
MW:	73.9 kDa
Gene Summary:	<p>Involved in sodium-dependent transport of D-mannose, D-glucose and D-fructose. [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for RC221490