

Product datasheet for **RG216563**

SLC16A9 (NM_194298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC16A9
Synonyms:	C10orf36; MCT9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216563 representing NM_194298
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAACCTAAAAAGTCGCCTGACGGTGGATGGGGCTGGGTGATTGTGTTGTCTCCTTCTTACTCAGT
 TTTTGTGTACGGATCCCCACTAGCTGTTGGAGTCCTGTACATAGAATGGCTGGATGCCTTTGGTGAAGG
 AAAAGGAAAAACAGCCTGGGTTGGATCCCTGGCAAGTGGAGTTGGCTTGCTTGCAGTCCTGTCTCAGT
 CTCTGTGTCTCATCTTTTGGAGCAAGACCTGTCAACATCTTCAGTGGCTTCATGGTGGCTGGAGGCCTGA
 TGTTGAGCAGTTTTGCTCCCAATATCTACTTTCTGTTTTTTCCTATGGCATTGTTGTAGGTCTTGGATG
 TGGTTTATTATACACTGCAACAGTGACCATTACGTGCCAGTATTTTGACGATCGCCGAGGCCTAGCGCTT
 GGCCTGATTCAACAGGTTCAAGCGTTGGCCTTTTCATATATGCTGCTCTGCAGAGGATGCTGGTTGAGT
 TCTATGGACTGGATGGATGCTTGTGATTGTGGTGCTTTAGCTTTAAATATATTAGCCTGTGGCAGTCT
 GATGAGACCCCTCCAATCTTCTGATTGTCTTTGCCTAAAAAATAGCTCCAGAAGATCTACCAGATAAA
 TACTCCATTACAATGAAAAAGGAAAGAATCTGGAAGAAAAACATAAACATTCTTGACAAGAGCTACAGTA
 GTGAGGAAAAATGCAGGATCACGTTAGCCAATGGTGACTGGAACAAGACAGCCTACTTCATAAAAAACCC
 CACAGTGACACACAAAAAGAGCCTGAAACGTACAAAAAGAAAGTTGCAGAACAGACATATTTTTGCAAA
 CAGCTTGCCAAGAGGAAGTGGCAGTTATATAAACTACTGTGGTGAAGTGTGGCTCTTTTTAAAAACA
 AAGTATTTTCAGCCCTTTTCATTGCTATCTTACTCTTTGACATCGGAGGGTTTCCACCTTCATTACTTAT
 GGAAGATGTAGCAAGAAGTTCAACAGTGAAGAAGAAGAGTTTATTATGCCACTATTTCCATTATAGGC
 ATTATGACAGCAGTTGGTAACTGCTTTTAGGGATACTGGCTGACTTCAAGTGGATTAATACCTGTATC
 TTTATGTTGCTACCTTAATCATCATGGCCTAGCCTTGTGTCAATTCCATTTGCCAAAAGCTATGTCAC
 ATTGGCGTTGCTTCTGGGATCCTAGGGTTTCTTACTGGTAATTGGTCCATCTTCCATATGTGACCACG
 AAGACTGTGGGAATTGAAAAATTAGCCCATGCCTATGGGATATTAATGTTCTTTGCTGGACTTGGAAATA
 GCCTAGGACCACCATCGTTGGTTGGTTTTATGACTGGACCAGACCTATGATATTGCATTTATTTTAG
 TGGCTTCTGCGTCTGCTGGGAGGTTTTATTCTGCTGCTGGCAGCCTTGCCTCTTGGGATACATGCAAC
 AAGCAACTCCCCAAGCCAGCTCCAACAACCTTTCTGTACAAAGTTGCCTCTAATGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG216563 representing NM_194298
 Red=Cloning site Green=Tags(s)

MELKKSPDGGWGWIVFVSFLTQFLCYGSPLAVGVLYIEWLDAFGEGKGKTAWVGLASGVGLLASPVCS
 LCVSSFGARPVITFSGFMVAGGLMLSSFAPNIYFLFFSYGIVVGLGCLLYTATVTITCQYFDDRRGLAL
 GLISTGSSVGLFIYAALQRMVVEFYGLDGCLLIVGALALNILACGSLMRPLQSSDCPLPKKIAPEDLPDK
 YSIYNEKGKNLEENINILDKSYSSEKCRITLANGDWKQDSSLHKNPTVHTKEPETYKKKVAEQTYFCK
 QLAKRKWQLYKNYCGETVALFKNKVSALFIAILLFDIGGFPPSLLMEDVARSSNVKEEFIMPLISIIIG
 IMTAVGKLLLILADFKWINTLYLYVATLIIMGLALCAIPFAKSYVTALLSGILGFLTGNWSIFPYVTT
 KTVGIEKLAHAYGILMFFAGLGNLGPPIVGFYDWTQTYDIAFYFSGFCVLLGGFILLLAALPSWDTN
 KQLPKPAPTTFLYKVASNV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194298

ORF Size: 1527 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.

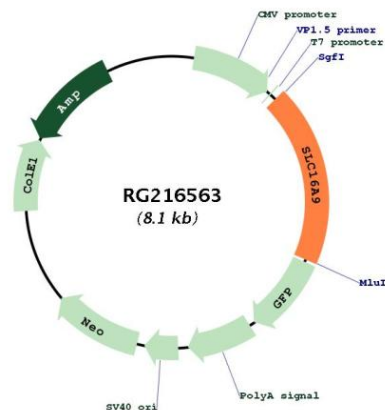
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_194298.2</u>
RefSeq Size:	3645 bp
RefSeq ORF:	1530 bp
Locus ID:	220963
UniProt ID:	<u>Q7RTY1</u>
Cytogenetics:	10q21.2
Protein Families:	Transmembrane
Gene Summary:	Proton-linked monocarboxylate transporter. May catalyze the transport of monocarboxylates across the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216563