

Product datasheet for **RC217674**

SLC22A10 (NM_001039752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A10 (NM_001039752) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A10
Synonyms:	hOAT5; OAT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC217674 representing NM_001039752
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTTTGAGGAGCTCTTGAGTCAAGTTGGAGGCCTGGGAGATTTTCAGATGCTTCATCTGGTTTTTA
 TTCTTCCCTCTCATGTTATTAATCCCTCATATACTGCTAGAGAAGTTTCTGTCAGCCATTCTCGGTCA
 TCGTTGCTGGGTCCACATGCTGGACAATAACTGGATCTGGTAATGAACTGGAATCCTCAGTGAAGAT
 GCCCTCTTGAGAACTCTATCCCACTAGACTCAAATCTGAGGCCAGAGAAGTGTCTGCTGCTTTGTCCATC
 CCCAGTGGCAGCTTCTTACCTGAATGGGACTATCCACAGCACAAGTGAGGCAGACACAGAACCTGTGT
 GGATGGCTGGGTATATGATCAAAGCTACTTCCCTTCGACCATTGTGACTAAGTGGGACCTGGTATGTGAT
 TATCAGTCACTGAAATCAGTGGTCAATTCCTACTTCTGACTGGAATGCTGGTGGGAGGCATCATAGGTG
 GCCATGTCTCAGACAGGTTTGGCGAAGATTTATCTCAGATGGTGTGCTCCAGCTTGCCTTACTGA
 CACCTGCGCTGCCTTCGCTCCACCTTCCCTGTTACTGTGACTACGCTTCTTGGCAGGTTTTTCTTCC
 ATGATCATTATATCAAATAATTCTTTGCCATTACTGAGTGGATAAAGGCCAACTCTAAAGCCCTGGTAG
 TAATATTGTCATCTGGTCCCTTAGTATTGGACAGATAATCCTGGGAGGCTTGGCTTATGTCTTCCGAGA
 CTGGCAAACCCTGCACGTGGTGGCGTCTGTACCTTTCTTGTCTTCTTCTTCAAGGTGGCTGGTG
 GAATCTGCTCGGTGGTTGATAATCACCAATAAACTAGATGAGGGCTTAAAGGCACCTAGAAAAGTTGCAC
 GCACAAATGGAATAAAGAATGCTGAAGAAACCTGAACATAGAGGTTGTAAGATCCACCATGCAGGAGGA
 GCTGGATGCAGCACAGACAAAACCTACTGTGTGACTTGTCCGCAACCCAGTATGCGTAAAAGGATC
 TGTATCCTGGTATTTTGGAGATTTGCAACACAATACCTTTTATGGTACCATGGTCAATCTTCCAGCATG
 TGGGAGCAACATTTTCTGTTGCAGTACTTTATGGAGCTGTCGCTCTCATAGTCTTGGCTCT
 TTTGACACTAAATCATATGGGCCGTCGAATAAGCCAGATATTGTTTCATGTTCTGGTGGGCTTTCCATT
 TTGGCCAAACAGTTTGTGCCAAAGAAATGCAGACCCTGCGTGTGGCTTTGGCATGTCTGGGAATCGGCT
 GTTCTGCTGCTACTTTTTCCAGTGTGCTGTTCACTTCACTTGAACCTATCCCACTGTTCTCAGGGCAAG
 AGCTTCAGGAATAGATTTAACGGCTAGTAGGATTGGAGCAGCACTGGCTCCCTCTTGTGACCTTAACG
 GTATTTTTTACCCTTTGCCATGGATCATTTATGGAATCTTCCCATCATTGGTGGCCTTATTGTCTTCC
 TCCTACCAGAAACCAAGAATCTGCCTTTGCCTGACACCATCAAGGATGTGGAAAATCAAAAAAAAAATCT
 CAAGGAAAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217674 representing NM_001039752
 Red=Cloning site Green=Tags(s)

MAFEELLSQVGLGRFQMLHLVFLPSLMLLIPHILLENFAAIPGHRWVHMLDNNTGSGNETGILSED
 ALLRISIPLDSNLRPEKCRFRVHPQWQLLHNGTIHSTSEADTEPCVDGWYDQSYFPSTIVTKWDLVCD
 YQSLKSVVQFLLLTGMLVGGIIGGHVSDRFGRFILRWCLLQLAITDTCAAFAPTFPVYCVLRFAGFSS
 MIIISNNSLPITWIRPNSKALVVILSSGALSIGQIILGGLAYVFRDWTLHVVASVPPFVFFLLSRWL
 ESARWLIITNKLDEGLKALRKVARTNGIKNAEETLNIEVVRSTMQEELDAAQTKTTVCDLFRNPSMRKRI
 CILVFLRFANTIPFYGTMVNLQHVGSNIFLLQVLYGAVALIVRCLALLTLNHMGRRISQILFMFLVGLSI
 LANTFVPKEMQTLRVALACLIGCSAATFSSVAVHFIELIPTVLRARASGIDL TASRIGAAALAPLLMTL
 VFFTTLPWIIYGIFPIIGGLIVFLLPETKNLPLPDTIKDVENQKKNLKEKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8005_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001039752

ORF Size: 1623 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: [NM_001039752.4](#)

RefSeq Size: 2591 bp

RefSeq ORF: 1626 bp

Locus ID: 387775

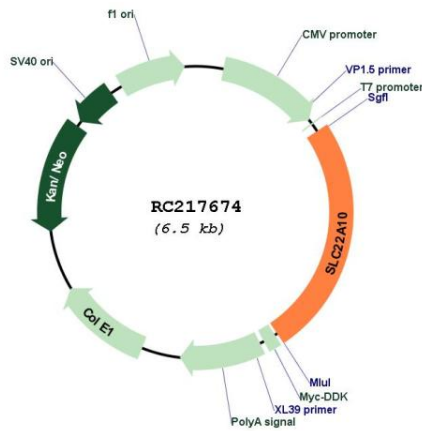
UniProt ID: [Q63ZE4](#)

Cytogenetics: 11q12.3

Protein Families: Transmembrane

MW: 60.1 kDa

Product images:



Circular map for RC217674