

## Product datasheet for **RG217674**

### SLC22A10 (NM\_001039752) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A10 (NM_001039752) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC22A10
Synonyms:	hOAT5; OAT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG217674 representing NM\_001039752  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTTTGAGGAGCTCTTGAGTCAAGTTGGAGGCCTTGGGAGATTTTCAGATGCTTCATCTGGTTTTTA  
 TTCTTCCCTCTCTCATGTTATTAATCCCTCATATACTGCTAGAGAACTTTGCTGCAGCCATTCTCGGTCA  
 TCGTTGCTGGGTCCACATGCTGGACAATAACTGGATCTGGTAATGAACTGGAATCCTCAGTGAAGAT  
 GCCCTCTTGAGAACTCTATCCCACTAGACTCAAATCTGAGGCCAGAGAAGTGTCTGCTGCTTTGTCCATC  
 CCCAGTGGCAGCTTCTTACCTGAATGGGACTATCCACAGCACAAGTGGGCAGACACAGAACCTGTGT  
 GGATGGCTGGGTATATGATCAAAGCTACTTCCCTTCGACCATTGTGACTAAGTGGGACCTGGTATGTGAT  
 TATCAGTCACTGAAATCAGTGGTCAATTCCTACTTCTGACTGGAATGCTGGTGGGAGGCATCATAGGTG  
 GCCATGTCTCAGACAGGTTGGGCGAAGATTTATCTCAGATGGTGTGCTCCAGCTTGCCATTACTGA  
 CACCTGCGCTGCCTTCGCTCCCACCTTCCCTGTTACTGTGACTACGCTTCTTGGCAGGTTTTTCTTCC  
 ATGATCATTATATCAAATAATTCTTTGCCATTACTGAGTGGATAAAGGCCAACTCTAAAGCCCTGGTAG  
 TAATATTGTCATCTGGTCCCTTAGTATTGGACAGATAATCCTGGGAGGCTTGGCTTATGTCTTCCGAGA  
 CTGGCAAACCCTGCACGTGGTGGCGTCTGTACCTTTCTTGTCTTCTTCTTCAAGGTGGCTGGTG  
 GAATCTGCTCGGTGGTTGATAATCACCAATAAACTAGATGAGGGCTTAAAGGCACCTAGAAAAAGTTGCAC  
 GCACAAATGGAATAAAGAATGCTGAAGAAACCCTGAACATAGAGGTTGTAAGATCCACCATGCAGGAGGA  
 GCTGGATGCAGCACAGACAAAACCTACTGTGTGACTTGTCCGCAACCCAGTATGCGTAAAAGGATC  
 TGTATCCTGGTATTTTTGAGATTTGCAACACAATACCTTTTTATGGTACCATGGTCAATCTTCAGCATG  
 TGGGAGCAACATTTTCTGTTGCAGTACTTTATGGAGCTGTCGCTCTCATAGTTCGATGCTTGTCTCT  
 TTTGACACTAAATCATATGGGCCGTCGAATAAGCCAGATATTGTTTCATGTTCTGTTGGCCTTTCCATT  
 TTGGCCAAACAGTTTGTGCCCAAAGAAATGCAGACCCTGCGTGTGGCTTTGGCATGTCTGGGAATCGGCT  
 GTTCTGCTGCTACTTTTTCCAGTGTGCTGTTCACTTCATTGAACTCATCCCCACTGTTCTCAGGGCAAG  
 AGCTTCAGGAATAGATTTAACGGCTAGTAGGATTGGAGCAGCACTGGCTCCCCTCTTGATGACCTTAACG  
 GTATTTTTTACCCTTTGCCATGGATCATTTATGGAATCTTCCCATCATTGGTGGCCTTATTGTCTTCC  
 TCCTACCAGAAACCAAGAATCTGCCTTTGCCTGACACCATCAAGGATGTGGAAAATCAAAAAAAAAATCT  
 CAAGGAAAAGGCA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG217674 representing NM\_001039752  
 Red=Cloning site Green=Tags(s)

MAFEELLSQVGGGLGRFQMLHLVFIPLSLMLLIPHILLENFAAAIPGHRWVHMLDNNTGSGNETGILSED  
 ALLRISIPLDSNLRPEKCRFRVHPQWQLLHLNGTIHSTSEADTEPCVDGWYDQSYFPSTIVTKWDLVCD  
 YQSLKSVVQFLLLTGMLVGGIIGGHVSDRFRRFILRWCLLQLAITDCAAFAPTFPVYCVLRFVLAGFSS  
 MIIISNNSLPITWIRPNSKALVVILSSGALSIGQIILGGLAYVFRDWTLHVVASVPPFFVFLSRWL  
 ESARWLIITNKLDEGLKALRKVARTNGIKNAEETLNIEVVRSTMQEELDAAQTKTTVCDLFRNPSMRKRI  
 CILVFLRFANTIPFYGTMVNLQHVGSNIFLLQVLYGAVALIVRCLALLTLNHMGRRISQILFMFLVGLSI  
 LANTFVPKEMQTLRVALACLIGCSAATFSSVAVHFIELIPTVLRARASGIDLTASRIGALAPLLMTLT  
 VFFTTLPWIIYGFPIIGGLIVFLLPETKNLPLPDTIKDVENQKKNLKEKA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001039752
<b>ORF Size:</b>	1623 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001039752.4</a>
<b>RefSeq Size:</b>	2591 bp
<b>RefSeq ORF:</b>	1626 bp
<b>Locus ID:</b>	387775
<b>UniProt ID:</b>	<a href="#">Q63ZE4</a>
<b>Cytogenetics:</b>	11q12.3
<b>Protein Families:</b>	Transmembrane