

Product datasheet for **SC113417**

SLC16A10 (NM_018593) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC16A10 (NM_018593) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC16A10
Synonyms:	MCT10; PRO0813; TAT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113417 sequence for NM_018593 edited (data generated by NextGen Sequencing)

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ATGGTGTCTCTCCAGGAGGAGCCGGAAGTCCGCGCGGGGCACGAGCGAGGCGCAGCCGCTC
GGCCCCGCGCCACGCGGGGCGCTCCGCGCGCCGCGCCGCGGACCTCGGACAGCCCCGAG
GCGGTGTGAGAAAGGTGGAGGTGGAGCTGGCGGGGCGCGGACCGCGGAGCCCCATGAG
CCCCCGAACCCCCGAGGGCGGCTGGGGCTGGTGGTGTGCTGGCGGCCATGTGGTGC
AACGGGTCGGTGTTCGGCATCCAGAAGCTTGGGGGTGCTCTTCGTGTCCATGCTGGAA
ACCTTCGGCTCCAAAGACGATGACAAGATGGTCTTTAAGACAGCATGGGTAGGTTCTCTC
TCCATGGGGATGATTTTCTTTTGTGCGCAATAGTCAGCGTCTTCACAGACCTATTTGGT
TGTCGGAACACAGCTGTGCTGGGTGCTGCTGTTGGATTGTTGGGCTCATGTCCAGTTCT
TTTGTAAGTTCCATCGAGCCTCTGTACCTACCTATGGAATCATATTTGCCTGCGGCTGC
TCCTTTGCATACAGCCTTCATTGGTCAATTTGGGACACTATTTCAAGAAGCGCCTTGA
CTGGTGAATGGCATTGTCACTGTGGCAGCAGTGTCTTACAATCCTGCTGCCTTTGCTC
TTAAGGGTCTGATTGACAGCGTGGGCTCTTTTACACATTGAGGGTGTCTGCATCTTC
ATGTTTGTCTCTTTCTGGCTGGCTTTACTTACCGACCTCTTGCTACCAAGTACCAAGAT
AAAGAGAGTGGAGGTAGCGGATCCTCCCTCTTTTCCAGGAAAAAGTTCAGTCTCCAAAA
AAAATTTTCAATTTTGCATCTTCAAGGTGACAGCTTATGCAAGTGGGGAGTTGGAATA
CCACTTGCACTTTTGGATACTTTGTGCCTTATGTTCACTTGATGAAACATGTAATGAA
AGATTTCAAGATGAAAAAATAAGAGGTTGTTCTCATGTGCATTGGCGTCACTTCAGGA
GTTGGACGACTGCTCTTTGGCGGATTGCAGATTATGTGCTGGTGTGAAGAAGGTTTAT
CTACAGGTAATCTCTCTTTTCTTATTGGTCTGATGTCCATGATGATTCTCTGTGTAGC
ATCTTTGGGGCCCTCATTGCTGTGTGCTCATCATGGGTCTCTTCGATGGATGCTTCATT
TCCATTATGGCTCCCATAGCCTTTGAGTTAGTTGGTGGCCAGGATGTCTCCCAAGCAATT
GGATTTCTGCTCGGATTGATGTCTATACCATGACTGTTGGGCCACCCATTGCAAGGTTA
CTTCGTGACAACTGGGCTCCTATGATGTGGCATTCTACCTCGCTGGAGTCCCTCCCTT
ATTGGAGGTGCTGTGCTTTGTTTATCCCGTGGATCCATAGTAAGAAGCAAGAGAGATC
AGTAAACCACTGGAAAGAAAAGATGGAGAAAATGTTGGAAACCAAGAACTCTCTGCTG
TCAAGTTCATCTGGAATGTTCAAGAAAGAACTGACTCTATTATTTAA
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Clone variation with respect to NM_018593.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018593 unedited

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NCCCCACAACAACACCCCCCNCCCGGTTTCAAGATTGNATACGACTCATATAGGCGG
CCGCGAAATTCGACACAGCTAGAAGCTTCAGTGTGATCCCGAGGTGTTGCGCGCGCC
AGCTGTCTCGCGGCGCCTGCGCGCTGGCGCCTGCGCGCTGCCAGCCCGCCGCCCGC
CAGGGGCTCCGCGCCCTCGCCTCGGCTCGTTAGCCCGCCAGGAGCCCCGAGCTCCTC
CGGGAGCCCGCTGGTAACCTCGCGTCCCTCGCGCTTCTCCGCGCCTGAGGGGCGCCCTC
GGGCCATGGTGTCTCCAGGAGGAGCCGACTCCGCGCGGGGCACGAGCGAGGCGCAGC
CGCTCGGCCCCGCGCCACGCGGGCGCTCCGCGCCCGGCCCGGACCTCGGACAGCC
CCGAGGCGGCTGTGAGAAAGGTGGAGGTGGAGCTGGCGGGGCGCGGACCGCGGAGCCCC
ATGAGCCCCCGAACCCCCGAGGGCGGCTGGGGCTGGTGGTGTGCTGGCGGCCATGT
GGTGCAACGGGTGGTGTTCGGCATCCAGAAGCTTGGGNGTGTCTTCGTGTCCATGC
TGGAAACCTTCGGCTCCAAAGACGATGACAAGATGGTCTTTAAGACAGCATGGGTAGGTT
CTCTCTCCATGGGGATGATTNTCTTTTGTGCGCAATAGTCAGCGTCTTCACAGACCTATT
TGTTGTGCGAAACAGCTGTGCTGGGTGCTGCTGTTGGATTTGTTGGGCTCATGTNCAG
TTCTTTTGTAGATCCATCGAGCCTCTGTACCTACCTATGGAATCATATTTGCCCTGCG
CTGCTCCTTTGCATACAGCCTTCATTGGTCAATTTGGGACACTATTTCAAGAAGCCCT
GGACTGGTGAAAGCCATGTCACTGCTGCCACAGTGTCTTACAATCCTGCTGCTTGTCTTA
AGGNTCTGATGACAGCGTGG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018593 unedited NATAAAACCCCTTTTTTTTTTATCTTTTCATGCTTTCTATTTTACTTTATTGTTACAGGTT TAAACAAATTCAGAAACGTGGGGTGTCTGGCTACTTGAGTAAACGCACTGCAAACGC AAAGGGAACAACGCTGTAACTTAAATGATTTCTGAACAGCTCAGGATCCTCCTGGAGGG GATCCTTTTCATCTCACATATTGATTCTGAACACTATGTTAGCACCTGCTCCAGAAAGGT CCCTTGACACTGGAGCAAGTCAGAATATCTTAATATCATAGCTTATTTAACAGCAGGAAA TCAACTTTAACATAGACTTGAGGTTTAGGTAGATCTGGTATTATCTAGAACCCAGGCTTA AATTTTGCAAAAAGTTTCCAAAGAGCATAAGAAAGTAAACAGAGGTACCAGAACTGAAG ACATCATTAACAAACAAATATTTCCACTCCTAACCAAACTGCAACCCTTTCAGTATAGC CTGAGGTATTTTTAAACATTTGTACAAGCTAAAGATCATTACAGTTTCCAAAGTGCTT TTTACTGAGATAGCTTCAAATTTTCACAATATGTGACTTTCAGACATGTTTTCATATACC AGAGTCTCTGCCCTCAGACTCATGGAAACATCAGAGATATTTAGTGGCAGAAAAAGGTTT TTCTAGTGATAAGGGTTCTATTTCCCAATTATTGTGCTATTCTAGGATGTGATTAAGG AAATGAAATTTGCAATTTGTATAAAAGGAAAGGAACTTGCTTAAATTCAAAAAGCAAG TCCAGTCTGGTGGAGGTATGGTAGATATTAATAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_018593
Insert Size:	2650 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_018593.3</u> , <u>NP_061063.2</u>
RefSeq Size:	2488 bp
RefSeq ORF:	1548 bp
Locus ID:	117247
UniProt ID:	<u>Q8TF71</u>
Cytogenetics:	6q21
Protein Families:	Transmembrane

Gene Summary:

SLC16A10 is a member of a family of plasma membrane amino acid transporters that mediate the Na(+)-independent transport of aromatic amino acids across the plasma membrane.[supplied by OMIM, Apr 2004]