

Product datasheet for **SC100868**

Monocarboxylate transporter 14 (SLC16A14) (NM_152527) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Monocarboxylate transporter 14 (SLC16A14) (NM_152527) Human Untagged Clone
Tag:	Tag Free
Symbol:	Monocarboxylate transporter 14
Synonyms:	MCT14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152527, the custom clone sequence may differ by one or more nucleotides

ATGTATACCAGTCATGAAGATATTGGGTATGATTTTGAAGATGGCCCCAAAGACAAAAGACACTGAAGC
 CCCACCCAAACATTGATGGCGGATGGGCTTGGATGATGGTGCTCTCTCTTTCTTTGTGCACATCCTCAT
 CATGGGCTCCCAGATGGCCCTGGGTGTCCTCAACGTGGAATGGCTGGAAGAATCCACCAGAGCCGCGGC
 CTGACCGCTGGGTGAGTCCCTCAGCATGGGCATCACCTTGATAGTGGGCCCTTTCATCGGCTTGTTC
 TTAACACCTGTGGGTGCCGCCAGACTGCGATCATTGGAGGGCTCGTCACTCCCTGGGCTGGGTGTTGAG
 TGCCTATGCTGCAAACGTGCATTATCTCTTCATTACTTTTGGAGTCGAGCTGGCCTGGGCAGCGGGATG
 GCCTACCTGCCAGCGGTGGTCATGGTGGGCAGGTATTTCCAGAAGAGACGCGCCCTCGCCAGGGCCTCA
 GCACCACGGGGACCGGATTTCGGTACGTTCTTAATGACTGTGCTGCTGAAGTACCTGTGCGCAGAGTACGG
 CTGGAGGAATGCCATGTTGATCCAAGGTGCCGTTTCCCTAAACCTGTGTGTTTGTGGGGCGCTCATGAGG
 CCCCTCTCTCTGGTAAAAACCCAAACGACCCAGGAGAGAAAGATGTGCGTGGCCTGCCAGCGCACTCCA
 CAGAATCTGTGAAGTCAACTGGACAGCAGGGAAGAAGAGAAGGATGGTGGGCTCGGGAACGAGGA
 GACCCCTGCGACCTGCAAGCCAGGAGTGCCCGATCAGGCCGGGCACAGGAAGAATGTGTGCCCTC
 CGGATTCTGAAGACTGTCAGCTGGCTCACCATGAGAGTCAGGAAGGGCTTCGAGGACTGGTATTCGGGCT
 ACTTTGGGACAGCCTCTCTATTTACAAATCGAATGTTTGTAGCCTTTATTTCTGGGCTTTGTTGCATA
 CAGCAGCTTTGTCATCCCTTCATTACCTCCCAGAAATCGTCAATTTGTATAACTTATCGGAGCAAAAC
 GACGTTTTCCCTCTGACGTCAATTATAGCAATAGTTCACATCTTTGGAAAAGTGATCCTGGGCGTCATAG
 CCGACTTGCCTTGCATTAGTGTGTTGGAATGTCTTCTGTTGGCCAACTTACCCTTGTCTCAGTATTTT
 TATTCTGCCGTTGATGCACAGTACGCTGGCCTGGCGGTGATCTGTGCGCTGATAGGGTTTTCCAGTGGT
 TATTTCTCCCTAATGCCCGTAGTGACTGAAGACTTGGTTGGCATTGAACACCTGGCCAATGCCTACGGCA
 TCATCATCTGTGTAATGGCATCTCTGCATTGCTGGGACCACCTTTGCAGGGTGGATCTATGACATCAC
 GCAAAAATATGATTTTCTCTTACATATGTGGTTTGTCTTACATGATAGGAATACTCTTTTACTTATT
 CAGCCGTGCATTGAATTATAGAACAATCCAGAAGAAAATACATGGATGGTGCACATGTTTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152527 unedited <pre> TTCCCATTTAGTATACGACTCACTATAGCGGCCGCGAATTCGGCACGAGGCAGCGGTGG TCATGGTGGGCAGGTATTTCCAGAAGAGACGCGCCCTCGCCAGGCGCTCAGCACACGG GGACCGGATTCGGTACGTTCTAATGACTGTGCTGCTGAAGTACCTGTGCGCAGAGTACG GCTGGAGGAATGCCATGTTGATCCAAGGTGCCGTTTCCCTAAACCTGTGTGTTTGTGGG CGCTCATGAGGCCCCCTCTCTCTGGTAAAAACCCAAACGACCCAGGAGAGAAAGATGTGC GTGGCCTGCCAGCGCACTCCACAGAATCTGTGAAGTCACTGGACAGCAGGGAAGAAGACAG AAGAGAAGGATGGTGGGCTCGGGAACGAGGAGACCCTCTGCGACCTGCAAGCCCAGGAGT GCCCGGATCAGGCCGGGCACAGGAAGAATGTGTGCCCTCCGGATTCTGAAGACTGTCA GCTGGCTCACCATGAGAGTCAGGAAGGGCTTCGAGGACTGGTATTCGGGCTACTTTGGGA CAGCCTCTCTATTTACAAATCGAATGTTTGTAGCCTTTATTTTCTGGGCTTTGTTTGCAT ACAGCAGCTTTGTCATCCCCTTCATTACCCCTCCAGAAATCGTCAATTTGTATAACTTA TCCGAGCAAAACGACGTTTTCCCTCTGACGTCAATTATAGCAATAGCTCACATCTTTTG AAAGTGATCCCTGGCGTAATAGCCGACTTGCCTTGCATTAGTGTGGAATGTCTTCTGT TTGCCAATTCACCCCTGCTCAGTATTTTTATTTTGGCGGTGATGCACACTTACGCTT GGCCTGGACGTCAATTTGTGCGCTGATAAGGTTTCCAGTGGTATTTCTCCCTAAGGCCGAG TGACTGAAGACTTGGTGGGCATTGAACACCGGCACATGCTACGGTTAATCATTGTGGTTA TGG </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152527 unedited <pre> TCTATGNACCGCGCGCCGCTTCTAGGATCGAGTTTTTTTTTTTTTTTTTATCAAAATA NAGAGCTGGATTCTTTAACAGCAGCCAAAGCTGTAATGATAACACATAGGTTGTTGTGT GAACCAAATGGAGTATGACATGCAATCTATTGTCTATAATAATTTACAGGCAATCCCGA GTCATTGGAGGTAATATTAAGTATATATTAACCATGCTTTTGTCTCTCTTTCCATTA GCTGCCTTTTATTATTTTGGTGGTCCTTTCATTACACAACCACTCCCACTATACATTAGA GCAGGAAATAATGGAGATGGAACAAAAAGAGAATTTGCCATTGAATCACTTGTTAAACAG CTCAGAAGGGCATGGTTGAGTATAACTGAACTGCTGGCTAAATTTACGCTTGGGGTGGC ATTGTTTGATTCCAATTCCTAGTAGCATTCTCGCTCTAATTGTGAAGGATAATTGAGAA TGGGCTGTATTCACTTTAGGTAATTTGACCTAAGACACTGGCAATGATATCAAGGATT TGTGTGTGTGTGATGATCAAAATTTGTGAGTAGAAATTTAAATAGTCTTAACTATCTGTAA ACAAGTAAGGCAGCCAGAAATTTCAAATGATCTGGGAAGAACATTCTGCAGTCTGAAAAA CGTTTGGCTTAGAAAAATAGACATCTCAGATAAAGAAAGGGCATTATTAGATGTCAATGGA TCACAGTCATCTCTGTATGAAATCAATCAAGAGAACTATTTTAAAACTGTGCCACGCT CANGCAAATGAATGGTCTATATAACAACACGAGAGTCTAGAGATGGGCTATTTGTTATCA CTACTCCAGTGTGAGATGGGCACAGACATCTACACTAATGGCATTCCATTATTATCCTC ACAAATGATAGTGGTATACTTTGGATTAGCACATTCTGGAGATGAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152527
Insert Size:	3000 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_152527.1, NP_689740.1</u>
RefSeq Size:	4411 bp
RefSeq ORF:	1011 bp
Locus ID:	151473
UniProt ID:	<u>Q7RTX9</u>
Cytogenetics:	2q36.3
Protein Families:	Transmembrane
Gene Summary:	Proton-linked monocarboxylate transporter. May catalyze the transport of monocarboxylates across the plasma membrane.[UniProtKB/Swiss-Prot Function]