

Product datasheet for SC303522

MCT7 (SLC16A6) (NM_004694) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCT7 (SLC16A6) (NM_004694) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCT7
Synonyms:	MCT6; MCT7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC303522 representing NM_004694. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGACCCAAAATAAATTAAAGCTTTGTTCCAAAGCCAATGTGTACTGAAGTGCCTGATGGAGGATGG
 GGCTGGGCGGTAGCTGTTTCATTTTTCTTCGTTGAAGTCTTCACCTACGGCATCATCAAGACATTTGGT
 GTCTTCTTTAATGACTTAATGGACAGTTTTAATGAATCCAATAGCAGGATCTCATGGATAATCTCAATC
 TGTGTGTTGTCTTAACATTTTCAGCTCCCTCGCCACAGTCTGAGCAATCGTTTCGGACACCGCTCG
 GTAGTGATGTTGGGGGGGCTACTGTGACGACCGGGATGGTGGCCGCTCCTTCTCACAAGAGGTTTCT
 CATATGTACGTCGCCATCGGCATCATCTGGTCTGGGATACTGCTTTAGTTTTCTCCAACTGTAACC
 ATCCTATCACAATATTTGGCAAAGACGTTCCATAGTCACTGCAGTTGCTTCCACAGGAGAATGTTTC
 GCTGTGTTTGCTTTCGCACCAGCAATCATGGCTCTGAAGGAGCGCATTGGCTGGAGATACAGCCTCCTC
 TTCGTGGGCTACTACAGTTAAACATTGTCTCTCGGAGCACTGCTCAGACCCATCTTTATCAGAGGA
 CCAGCGTCACCGAAAATAGTCATCCAGGAAAATCGGAAAGAAGCGCAGTATATGCTTGAAAATGAGAAA
 ACACGAACCTCAATAGACTCCATTGACTCAGGAGTAGAACTAACTACCTACCTAAAAATGTGCCTACT
 CACACTAACCTGGAACCTGGAGCCGAAGGCCGACATGCAGCAGGTCTGGTGAAGACCAGCCCCAGGCCA
 AGCGAAAAGAAAGCCCCGCTATTAGACTTCTCCATTTTGAAAGAGAAAAGTTTTATTGTTATGCATTA
 TTTGGTCTCTTGCAACACTGGGATTCTTTGCACCTTCCTGTACATCATTCCTCTGGGCATTAGTCTG
 GGCATTGACCAGGACCGCTGCTTTTTTATTATCTACGATGGCATTGCAGAAGTTTTCGGAAGGATC
 GGAGCTGGTTTTGTCTCAACAGGGAGCCCATTCGTAAGATTTACATTGAGCTCATCTGCGTCATCTTA
 TTGACTGTGTCTCTGTTTGCCTTTACTTTTGCTACTGAATTCGGGGTCTAATGTCTATGCAGCATATTT
 TTTGGGTTTATGTTGGAACAATAGGAGGGACTCACATTCCACTGCTTGCTGAGGATGATGTCGTGGGC
 ATTGAGAAGATGTCTTCTGCAGCTGGGGTCTACATCTTCATTGAGCATAGCAGGACTGGCTGGACCG
 CCCCTTGAGGTTTGTGGTGGACCAAAGTAAGATCTACAGCAGGGCCTTCTACTCCTGCGCAGCTGGC
 ATGGCCCTGGCTGCTGTGTGCTCGCCCTGGTGAGACCGTGAAGATGGGACTGTGCCAGCATCATCAC
 TCAGGTGAAACAAAGGTAGTGAGCCATCGTGGGAAGACTTTACAGGACATACCTGAAGACTTTCTGGAA
 ATGGATCTTGCAAAAATGAGCACAGAGTTCACGTGCAAATGGAGCCGGTATGA


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_004694
Insert Size:	1572 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_004694.2.
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_004694.2</u>
RefSeq Size:	2690 bp
RefSeq ORF:	1572 bp
Locus ID:	9120
UniProt ID:	<u>O15403</u>
Cytogenetics:	17q24.2
Protein Families:	Transmembrane
MW:	57.4 kDa
Gene Summary:	Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.