

Product datasheet for **SC333103**

SLC16A5 (NM_001271765) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC16A5 (NM_001271765) Human Untagged Clone
Tag: Tag Free
Symbol: SLC16A5
Synonyms: MCT5; MCT6
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333103 representing NM_001271765.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCCAGGCCCTGGAGCGTGCAGATGGCAGCTGGGCCTGGGTGGTGTCTGCTGGCCACCATGGTGACC
CAGGGCCTCACCTGGGCTTCCCACGTGTATCGGCATCTTCTCACTGAATTGCAATGGGAGTTCCAG
GCCAGCAACAGCGAGACCTCTTGGTTCCCCTCCATCCTCACGGCTGTGCTCCACATGGCAGGGCCCTG
TGCAGCATCCTGGTGGGACGCTTCGGCTGCCGAGTGACCGTGATGCTGGGGGGCGTGTGCGCCAGCCTG
GGCATGGTGGCCAGCTCCTTCTCTCACAACCTCAGCCAGCTCTACTTCACAGCAGGATTCATCACAGGC
CTGGGCATGTGCTTCAGCTTCCAGTCAAGCATCACGGTGTGGGCTTCTACTTTGTCCGCCGGCGGGTG
CTGGCCAACGCGCTGGCCTCGATGGGCGTCTCCCTGGGCATCACCTCTGGCCGCTGCTCTCCCGCTAC
CTTCTGGAGAACCTGGGCTGGAGGGGTACCTTCCTTGTCTTCGGCGGGATCTTTCTCCACTGCTGCATC
TGCGGGGCCATCATAAGGCCTGTGGCCACCAGTGTGGCCCTGAGACCAAGAATGTCCCCGCCACCT
CCCAGACACCTGCATTGGCTGCCTGGCTGCATGCGGCCGACCATCCAGCGCCACCTGGCCTTCGAC
ATCCTGCGGCACAACACAGGCTACTGCGTGTACATACTGGGTGTGATGTGGTCCGTCTGGGCTTCCCA
CTGCCACAAGTCTTCTGGTGCCATATGCCATGTGGCACAGCGTGGACGAGCAGCAGGCAGCCCTCCTC
TTTGTAGCCACGCAAGTACCTGTTCCAGCTGGCACTCCTGCTCAATGGGCTCACTAACCTGGTGTGT
GCGGCATCAGGTGACTTCTGGGTGCTCGTGGGCTACTGCCTGGCGTACAGCGTGTCCATGAGTGGCATC
GGCGCCCTCATCTTCCAGTTCTCATGGACATCGTCCCATGGATCAGTTCGCCAGACCCCTGGGACTC
TTCAGTGTCTGGACGGCCTTGCTTTCCTCATCTCCCCACCAGTGGCCGGGTTGCTCTGGACGCCACC
AACAACTTTAGCTATGTTTTCTACATGTCCAGCTTCTTCTCATCTCAGCTGCCCTTTCATGGGTGGC
AGCTTCTACGCCCTGCAGAAGAAGGAGCAAGGCAAGCAGGCTGTCGCGCGGATGCCCTGGAGCGGGAT
CTTTTCTGGAAGCCAAAGACGGTCTGGGAAGCAACGGTCCCCTGAGATCATGTGCCAGTCTTCCCGC
CAGCCACGTCCAGCTGGCGTCAATAAGCATCTTTGGGGATGCTCCTGCCTCCTCCAGGACCAGCCATGAG
TGCTCTTATGGCCAAAGCGGTACTGCAGGCCAAGCAAACGGCTCTGGGCTGGAATAGCCCTACCTGA
  
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001271765
Insert Size: 1518 bp



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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:	<ol style="list-style-type: none">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_001271765.1</u>
RefSeq Size:	2032 bp
RefSeq ORF:	1518 bp
Locus ID:	9121
UniProt ID:	<u>O15375</u>
Cytogenetics:	17q25.1
Protein Families:	Transmembrane
MW:	55 kDa
Gene Summary:	<p>This gene encodes a member of the monocarboxylate transporter family and the major facilitator superfamily. The encoded protein is localized to the cell membrane and acts as a proton-linked transporter of bumetanide. Transport by the encoded protein is inhibited by four loop diuretics, nateglinide, thiazides, probenecid, and glibenclamide. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>