

Product datasheet for **SC117201**

SLC16A5 (NM_004695) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC16A5 (NM_004695) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC16A5
Synonyms:	MCT5; MCT6
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 SC117201 sequence for NM_004695 edited (data generated by NextGen Sequencing)

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ATGCCCCAGGCCCTGGAGCGTGCAGATGGCAGCTGGGCCCTGGGTGGTGTCTGGCCACC
ATGGTGACCCAGGGCCTCACCTGGGCTTCCCCACGTGTATCGGCATCTTCTTCACTGAA
TTGCAATGGGAGTTCCAGGCCAGCAACAGCGAGACCTCTTGGTCCCCTCCATCCTCACG
GCTGTGCTCCACATGGCAGGGCCCCTGTGCAGCATCCTGGTGGGACGCTTCGGCTGCCGA
GTGACCGTGATGCTGGGGGGCGTGTGGCCAGCCTGGGCATGGTGGCCAGCTCCTTCTCT
CACAACTCAGCCAGCTCTACTTCACAGCAGGATTTCATCACAGGCCTGGGCATGTGCTTC
AGCTTCCAGTCAAGCATCACGGTGTGGCTTCTACTTTGTCCGCGGGGGTGTGGCC
AACGCGCTGGCCTCGATGGGCGTCTCCCTGGGCATCACCTCTGGCCGCTGCTCTCCCGC
TACCTTCTGGAGAACCTGGGCTGGAGGGGTACCTTCTTGTCTTCGGCGGGATCTTTCTC
CACTGCTGCATCTGCGGGGCCATCATAAGGCCTGTGGCCACCAGTGTGGCCCTGAGACC
AAAGAATGTCCCCGCCACCTCCCGAGACACCTGCACTTGGTGCCTGGTGCATGCGGC
CGGACCATCCAGCGCCACCTGGCCTTCGACATCCTGCGGCACAACACAGGCTACTGCGTG
TACATACTGGGTGTGATGTGGTCCGTCCTGGGCTTCCCACTGCCACAAGTCTTCTGGTG
CCATATGCCATGTGGCACAGCGTGGACGAGCAGGACGCCCTCCTCATCTCCATCATC
GGCTTCAGCAACATCTTCTGAGGCCCTAGCCGGGCTGATGGCAGGACGCCGGCCTTT
GCTAGCCACCGCAAGTACCTGTTACGCCTGGCACTCCTGCTCAATGGGCTCACTAACCTG
GTGTGTGCGGCATCAGGTGACTTCTGGGTGCTCGTGGGCTACTGCCTGGCGTACAGCGTG
TCCATGAGTGGCATCGGCGCCCTCATCTCCAGGTTTCATGGACATCGTCCCCATGGAT
CAGTTCGCCAGAGCCCTGGGACTTCTACTGTCTGGACGGCCTTGCTTTCCTCATCTCC
CCACCACTGGCCGGGTTGCTCCTGGACGCCACCAACAACTTTAGCTATGTTTTCTACATG
TCCAGTCTTCTTCATCTCAGCTGCCCTTTCATGGGTGGCAGCTTCTACGCCCTGCAG
AAGAAGGAGCAAGGCAAGCAGGCTGTGCGGGCGGATGCCCTGGAGCGGGATCTTTTCTTG
GAGCCAAAGACGGTCCCTGGGAAGCAACGGTCCCCTGAGATCAKGTGCCAGTCTTCCCGC
CAGCCACGTCCAGCTGGCGTCAATAAGCATCTTTGGGGATGTCCTGCCTCCTCCAGGACC
AGCCATGAGTGGCTTTATGGCCAAAGGCGGTAAGTGCAGGCCAAGCAAACGGCTCTGGGC
TGGAATAGCCCTACCTGA
    
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Clone variation with respect to NM_004695.2
 121 c=>t;1364 t=>k

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004695 unedited
CCGCGGAATTCGACAGGCTGCCACACATCCAGCTTTCATGGCACTGTGCTACAAAGCT
GGTCTCATTGGGCTAGGGGTCTTTGAGAGCTGAGCTTGGCAGCCCTGGGGCCCACT
CACCCCTAGTCCAGCAAGTGAGAGCGAAGCATTTGCCCTGTCTACCTCCTTGCCAAA
GCACACACCAGGCAAGTACCATGACTCATGGTCCCAGTACAAAGAAAAGAGCACTTCCC
TGCTGGGCGAGAGCCAAAGCCAGAGCCCTGGCCCATCACCTCTCTGCCCTGCTTGAGTC
TGGAAATGGACCTCCCTGCCTGGAAGCTGCATTGCCCTTGGTCTGGGCCTGCCTGCCCC
TGGGGAACACAGGCGAGCAGCCACATTGGCAGTGAGGCCGTGGCAGCGTCGGCAGCAGAGG
ATGCCCCAGGCCCTGGAGCGTGCAGATGGCAGCTGGGCCCTGGGTGGTGTCTGGCCACC
ATGGTGACCCAGGGCCTCACCTGNGCTTCCCCACGTGTATCGGCATCTTCTTCACTGAA
TTGCAATGGGAGTTCCAGGCCAGCAACAGCGAGACCTCTTGGTCCCCTCCATCCTCACG
GCTGTGCTCCACATGGCAGGGCCCCTGTGCAGCATCCTGGTGGGACGCTTCGGCTGCCGA
GTGACCGTGATGCTGGGGGGCGTGTGGCCAGCCTGGGCATGGTGGCCAGCTCCTTCT
CTACAACCTCAGCCAGCTCTACTTCACAGCAGGATTTCATCACAGGCCTGGGCATGTGCT
TCAGCTTCCAGTCAAGCATCACGGTGTGGGCTTCTACTTTGTTCCGCGGGGGTGTGGC
CACGCGCTGCCTCGATGGGCGTCTCCT
    
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Protein Families: Transmembrane

Gene Summary: 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]
Transcript Variant: This variant (1) represents the shortest transcript. Variants 1, 2 and 3 encode the same protein.