

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
ATGGTGACCCAGGGCCTCACCCTGGGCTTCCCCACGTGTATCGGCATCTTCTTCACTGAA
TTGCAATGGGAGTTCCAGGCCAGCAACAGCGAGACCTCTTGGTCCCCTCCATCCTCAGC
GCTGTGCTCCACATGGCAGGGCCCCTGTGCAGCATCCTGGTGGGACGCTTCGGCTGCCGA
GTGACCGTGATGCTGGGGGGCGTGCTGGCCAGCCTGGGCATGGTGGCCAGCTCCTTCTCT
CACAACTCAGCCAGCTCTACTTCACAGCAGGATTTCATCACAGGCCTGGGCATGTGCTTC
AGCTTCCAGTCAAGCATCACGGTGTGGCTTCTACTTTGTCCGCGGGGGTGTGGCC
AACGCGTGGCCTCGATGGGCGTCTCCCTGGGCATCACCTCTGGCCGCTGCTCTCCCGC
TACCTTCTGGAGAACCTGGGCTGGAGGGGTACCTTCTTGTCTTCGGCGGGATCTTTCTC
CACTGCTGCATCTGCGGGGCCATCATAAGGCCTGTGGCCACCAGTGTGGCCCTGAGACC
AAAGAATGTCCTCCGACCTCCCGAGACACTGCACTTGGTGCCTGGTGCATGCGGC
CGGACCATCCAGCGCCACCTGGCCTTCGACATCCTGCGGCACAACACAGGCTACTGCGTG
TACATACTGGGTGTGATGTGGTCCGTCTGGGCTTCCACTGCCACAAGTCTTCTGGTG
CCATATGCCATGTGGCACAGCGTGGACGAGCAGGACGCCCTCCTCATCTCCATCATC
GGCTTCAGCAACATCTTCTGAGGCCCTAGCCGGGTGATGGCAGGACGCCGGCCTTT
GCTAGCCACCGCAAGTACCTGTTTCAAGCCTGGCACTCCTGCTCAATGGGCTCACTAACCTG
GTGTGTGCGGCATCAGGTGACTTCTGGGTGCTCGTGGGCTACTGCCTGGCGTACAGCGTG
TCCATGAGTGGCATCGGCGCCCTCATCTTCCAGGTTTCATGGACATCGTCCCCATGGAT
CAGTTCACAGAGCCCTGGGACTTCTACTGTCTGGACGGCCTTGCTTTCCTCATCTCC
CCACCACTGGCCGGGTTGCTCCTGGACGCCACCAACAACTTTAGCTATGTTTTCTACATG
TCCAGTCTTCTTCATCTCAGTGCCTTTCATGGGTGGCAGCTTCTACGCCCTGCAG
AAGAAGGAGCAAGGCAAGCAGGCTGTGCGGGCGGATGCCCTGGAGCGGGATCTTTTCTTG
GAGCCAAAGACGGTCTGGGAAGCAACGGTCCCCTGAGATCAKGTGCCAGTCTTCCCGC
CAGCCACGTCCAGCTGGCGTCAATAAGCATCTTTGGGGATGTCCTGCCTCCTCCAGGACC
AGCCATGAGTGGCTTTATGGCCAAAGCGGTAAGTGCAGGCCAAGCAAACGGCTCTGGGC
TGGAATAGCCCTACCTGA
    
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Clone variation with respect to NM_004695.2
 121 c=>t;1364 t=>k

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004695 unedited

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CCGCGGAATTCGACAGGCTGCCACACATCCAGCTTTCATGGCACTGTGCTACAAAGCT
GGTCTCATTGGCCTAGGGGTCTTTGAGAGCTGAGCTTGGCAGCCCTGGGGCCCAACT
CACCCCTAGTCCAGCAAGTGAGAGCGAAGCATTTGCCCTGTCTACCTCCTTGCCAAA
GCACACACCAGGCAAGTACCATGACTCATGGTTCACAGTACAAAGAAAAGAGCACTTCCC
TGCTGGGCGAGAGCCAAAGCCAGAGCCCTGGCCCATCACCTCTCTGCCCTGCTTGAGTC
TGGAAATGGACCTCCCTGCCTGGAAGCTGCATTGCCCTTGGTCTGGGCCTGCCTGCCCC
TGGGGAACACAGGCGAGCAGCCACATTGGCAGTGAGGCCGTGGCAGCGTCGGCAGCAGAGG
ATGCCCCAGGCCCTGGAGCGTGCAGATGGCAGCTGGGCCCTGGGTGGTGTCTGGCCACC
ATGGTGACCCAGGGCCTCACCCTGNGCTTCCCCACGTGTATCGGCATCTTCTTCACTGAA
TTGCAATGGGAGTTCCAGGCCAGCAACAGCGAGACCTCTTGGTCCCCTCCATCCTCAGC
GCTGTGCTCCACATGGCAGGGCCCCTGTGCAGCATCCTGGTGGGACGCTTCGGCTGCCGA
GTGACCGTGATGCTGGGGGGCGTGCTGGCCAGCCTGGGCATGGTGGGCCAGCTCCTTCT
CTACAACCTCAGCCAGCTCTACTTCACAGCAGGATTTCATCACAGGCCTGGGCATGTGCT
TCAGCTTCCAGTCAAGCATCACGGTGTGGGCTTCTACTTTGTTCCGCGGGGGTGTGGC
CACGCGTGCCTCGATGGGCGTCTCCT
    
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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.