

Product datasheet for **SC101059**

SLC29A4 (NM_153247) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC29A4 (NM_153247) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC29A4
Synonyms:	ENT4; PMAT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101059 sequence for NM_153247 edited (data generated by NextGen Sequencing)

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ATGGGCTCCGTGGGGAGCCAGCGCCTTGAGGAGCCCAGCGTGGCAGGCACACCAGACCCG
GGCGTAGTGATGAGCTTCACCTTCGACAGTCACCAGCTGGAGGAGGCGGCGGAGGCGGCT
CAGGGCCAGGGCCTTAGGGCCAGGGCGTCCCAGCTTTACGGATACTACATTGGACGAG
CCAGTGCCCGATGACCGTTATCACGCCATCTACTTTGCGATGCTGCTGGTGGCGTGGG
TTCTGTGCTGCCATACAACAGCTTCATCACGGACGTGGACTACCTGCATCACAAGTACCCA
GGGACCTCCATCGTGTTGACATGAGCCTCACCTACATCTTGGTGGCACTGGCAGCTGTC
CTCCTGAACAACGTCCTGGTGGAGAGACTGACCCTGCACACCAGGATCACCGCAGGCTAC
CTCTTAGCCTTGGGCCCTCTCTTTTTATCAGCATCTGCGACGTGTGGTGCAGCTCTTC
TCTCGGGACCAGGCTACGCCATCAACCTGGCCGCTGTGGGCACCGTGGCCTTCGGCTGC
ACAGTGCAGCAATCCAGCTTCTACGGGTACACGGGGATGCTGCCAAGCGGTACACGCAG
GGGGTGATGACCGGGGAGAGCACGGCGGGCGTGATGATCTCTGAGCCGCATCCTCACG
AAGCTGCTGCTGCCGACGAGCGGCCAGCACGCTCATCTTCTCTGGTGTGCGTGGCG
CTGGAGCTGCTGTGTTTCTGCTGCACCTGTTAGTGGCGCGCAGCCGCTTCGTGCTCTTC
TATACCACACGGCCGCTGACAGCCACCGGGGACGGCCAGGCCTGGGCAGGGGCTATGGC
TACCGCGTGCACCACGACGTTGTGCGCGGGGACGTCCACTTCGAGCACCCAGCCCGGCC
CTGGCCCCAACGAGTCCCCAAAGGACAGCCAGCCACGAGGTGACCGGCAGCGGCGGG
GCCTACATGCGCTTTGATGTGCCGCGGCAAGGGTCCAGCGCAGCTGGCCACCTTCAGA
GCCCTGTTACTGCACCGCTACGTGGTGGCGCGGGTGATCTGGGCCGACATGCTCTCCATC
GCCGTGACCTACTTCATCACGCTGTGCCTGTTCCCGGCCCTCGAGTCTGAGATCCGCCAC
TGCATCCTGGGCGAGTGGCTGCCATCCTCATCATGGCTGTGTTCAACCTGTCAGACTTC
GTGGGCAAGATCCTGGCAGCCCTGCCCGTGGACTGGCGGGGACCCACCTGCTGGCCTGC
TCCTGCCTGCGTGTGGTCTTCATCCCCCTTTCATCCTGTGCGTCTACCCAGCGCATG
CCCGCCCTCCGTACCCCGCCTGGCCCTGCATCTTCTCACTGCTCATGGGCATCAGCAAC
GGCTACTTCGGCAGCGTGCCATGATCCTGGCGCAGGCAAAAGTGAAGCCCAAGCAGCGG
GAGCTGGCAGGGAACACCATGACCGTGTCTACATGTCAGGGCTGACGCTGGGGTCCGCC
GTGGCCTACTGCACCTACAGCCTACCCGCGACGCTCACGGCAGCTGCCTGCACGCCTCC
ACCGCAATGGTCCATCCTCGCAGGCCTCTGA
    
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Clone variation with respect to NM_153247.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_153247 unedited
CCCCGCCCCGTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAG
CTCATTTAGGTGACACTATAGAATAACAAGCTACTGTTCTTTTTGCAGCGCCCGGAATT
CGGCACGAGGGGGCGGACTCGGGGACCGGCGGAGGACCGCGGCGCGCCCGGCCGAGGCT
GGGGGAGCGGGGCGCGTGGCGGGCGCGCCGAGGACCCAGCCGGGCGGGCCGAGAGG
CTGCCATGGGCTCCGTGGGGAGCCAGCGCCTTGAGGAGCCAGCGTGGCAGGCACACCAG
ACCCGGGCGTAGTGATGAGCTTCACCTTCGACAGTCACCAGCTGGAGGAGCGGCGGAGG
CGGCTCAGGGCCAGGGCCTTAGGGCCAGGGGCGTCCCAGCTTTCACGGATACTACATTGG
ACGAGCCAGTGCCGATGACCGTTATCACGCCATCTACTTTGCGATGCTGCTGGTGGCG
TGGGCTTCTGCTGCCATACAACAGCTTCATCACGGACGTGGACTACCTGCATCACAAGT
ACCCAGGGACCTCCATCGTGTGTTGACATGAGCCTCACCTACATCTTGGTGGCACTGGCAG
CTGTCTCTGAACAACGTCCTGGTGGAGAGACTGACCCTGCACACCAGGATCACCGCAG
GCTACCTCTTAGCCTTGGGCCCTCTCTTTTTATCAGCATCTGCGACGTGTGGTGCAGC
TCTTCTCGGGACCCAGCCTACGCCATCAACCTGGCCGCTGTGGGCACCGTGGCCTCNG
CTGCCAGTGCAGCATCCAGCTTCTACGGTACACGGGATGCTGCCAAGCGTACCGCAGGG
GTGATGACCGNGAAGCACGCGGGCGTGATGAATCTGTGAGCGGATCTTACAAGTGTCTG
TGCCGACACGCCACACGCTATCTTTTCTGTGTTGGGCGCTGGACTGCTGGTCT
    
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Gene Summary:

This gene encodes a member of the SLC29A/ENT transporter protein family. The encoded membrane protein catalyzes the reuptake of monoamines into presynaptic neurons, thus determining the intensity and duration of monoamine neural signaling. It has been shown to transport several compounds, including serotonin, dopamine, and the neurotoxin 1-methyl-4-phenylpyridinium. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).