

Product datasheet for **SC336572**

SLC29A4 (NM_001300847) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC29A4 (NM_001300847) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC29A4
Synonyms:	ENT4; PMAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336572 representing NM_001300847.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCTCCGTGGGGAGCCAGCGCCTTGAGGAGCCAGCGTGGCAGGCACACCAGACCCGGGCGTAGTG
ATGAGCTTCACCTTCGACAGTCACCAGCTGGAGGAGCGGCGGAGGCGGCTCAGGGCCAGGGCCTTAGG
GCCAGGGGCGTCCAGCTTTCACGGATACTACATTGGACGAGCCAGTGCCCGATGACCGTTATCACGCC
ATCTACTTTGCGATGCTGCTGGCTGGCGTGGGCTTCTGCTGCCATAACAACAGCTTCATCACGGACGTG
GACTACCTGCATCACAAGTACCCAGGGACCTCCATCGTGTGTTGACATGAGCCTCACCTACATCTTGGTG
GCACTGGCAGCTGTCTCCTGAACAACGTCTGGTGGAGAGACTGACCCTGCACACCAGGATCACCGCA
GCATCTGCGACGTGTGGCTGCAGCTCTTCTCTCGGGACCAGGCCACGCCATCAACTGGCCGCTGTGG
GCACCGTGGCCTTCGGCTGCACAGCAATCCAGCTTCTACGGGTACACGGGGATGTGCCAAAGCGGTAC
ACGCAGGGGGTGATGACCGGGGAGAGCACGGCGGGCGTGATGATCTCTGAGCCGCATCCTCACGAAG
CTGCTGCTGCCGACGAGCGCGCCAGCACGCTCATCTTCTTCTGGTGTGGTGGCGCTGGAGCTGCTG
TGTTTCTGCTGCACCTGTTAGTGCGGCGCAGCCGCTTCGTGCTTCTATACCACACGGCCGCGTGAC
AGCCACCGGGGAGGCCAGGCCCTGGGCAGGGGCTATGGCTACCGCGTGCACACGACGTTGTGCGCCGGG
GACGTCCACTTCGAGACCCAGCCCCGGCCCTGGCCCCAACGAGTCCCCAAAGGACAGCCAGCCAC
GAGGTGACCGGCAGCGCGGGGCTACATGCGCTTTGATGTGCCGCGGCAAGGGTCCAGCGCAGCTGG
CCCACCTTCAGAGCCCTGTTACTGCACCGCTACGTGGTGGCGCGGGTGATCTGGGCGGACATGCTCTCC
ATCGCCGTGACCTACTTCATCACGCTGTGCTGTTCGCCGGCCTCGAGTCTGAGATCCGCCACTGCATC
CTGGGCGAGTGGCTGCCATCCTCATCATGGCTGTGTTCAACCTGTCAGACTTCGTGGGCAAGATCCTG
GCAGCCCTGCCGTGGACTGGCGGGGACCCACCTGCTGGCCTGCTCCTGCGTGTGGTCTTCATC
CCCTCTTCATCCTGTGCGTCTACCCGAGCGGCATGCCCGCCCTCGGTACCCCGGCTGGCCCTGCATC
TTCTACTGCTCATGGGCATCAGCAACGGCTACTTCGGCAGCGTGCCCATGATCTGGCGGCAGGCAAA
GTGAGCCCCAAGCAGCGGAGCTGGCAGGGAACACCATGACCGTGTCTACATGTGAGGGCTGACGCTG
GGGTCCGCGTGGCCTACTGCACCTACAGCCTACCCGCGACGCTACGGCAGCTGCCTGCACGCTCC
ACCGCCAATGTTCCATCCTCGCAGGCCTCTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001300847

Insert Size: 1551 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).

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.

RefSeq: NM_001300847.1

RefSeq Size: 2865 bp

RefSeq ORF: 1551 bp

Locus ID: 222962

UniProt ID: Q7RTT9

Cytogenetics: 7p22.1

Protein Families: Transmembrane

MW: 56.4 kDa

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 (3) differs in the 5' UTR and uses two alternate splice sites in the central coding region, which results in an internal frameshifted section, compared to variant 1. The encoded isoform (2) is shorter and has a distinct internal segment, compared to isoform 1.