

Product datasheet for **SC307364**

SLC36A2 (NM_181776) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC36A2 (NM_181776) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC36A2
Synonyms:	PAT2; TRAMD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_181776 edited

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ATGTCTGTGACAAAAAGTACTGAGGGTCCCCAGGGAGCCGTTGCCATCAAATTGGACCTT
ATGTGCGCTCCTGAAAGTGCCAAGAAGTTGGAGAACAAGGACTCTACATTCTTGGATGAA
AGTCCTTCAGAGTCAGCAGGCTTGAAGAAGACCAAGGGCATAACAGTGTTCCAGGCCTTG
ATTCACCTGGTGAAAGGCAACATGGGCACAGGGATCCTGGGACTACCCCTCGCTGTGAAG
AACGCGGGCATCCTGATGGGCCCACTCAGTCTGCTGGTGATGGGCTTCATTGCCTGCCAC
TGTATGCACATCCTGGTCAAGTGTGCCAGCGCTTCTGTAAGAGGCTTAACAAGCCCTTT
ATGGACTATGGGGACACGGTGATGCATGGACTAGAAGCCAACCCCAACGCCTGGCTCCAG
AATCACGCTCACTGGGGAAGGCATATCGTGAGCTTCTTCCTTATTATCACCCAATTGGC
TTCTGCTGTGTGTACATTGTGTTTTTGGCTGATAATTTAAACAGGTAGTGAAGCTGTT
AATAGCACAACCAACAACTGCTATTCCAATGAGACGGTGATTCTGACCCCAACCATGGAC
TCGCGACTCTACATGCTCTCCTTCTGCGCTTCTGGTGCTGCTGGTCCATCCGGAAC
CTCAGGATCTTGACCATCTTCTCCATGCTGGCCAACATCAGCATGCTGGTCAGCTTGGTC
ATCATCATACAGTACATTACCCAGGAAATCCCAGACCCAGCCGTTGCCACTGGTAGCA
AGCTGGAAGACCTACCCTCTCTTCTTCCGAACAGCCATTTTTTCTTTGAAAGCATTGGT
GTGGTTCTGCCTCTGGAAAACAAGATGAAGAATGCCCCGCACTTCCCAGCCATCCTGTCT
TTGGGAATGTCCATCGTCACTTCCCTATACATTGGCATGGCGGCTCTGGGCTACCTGCGG
TTTGGAGATGACATCAAGGCCAGCATAAGCCTTAACCTGCCTAACTGCTGGCTGTACCAG
TCTGTCAAGCTTCTCTACATTGCCGGCATCCTGTGCACCTATGCCCTGCAGTTCTACGTC
CCTGCAGAAATCATCATCCCCTTTGCCATCTCCCGGGTGCAACACGCTGGGCACTGCCT
CTGGATCTGTCCATTGCGCTCGTCATGGTCTGCCTGACATGCCTCCTGGCCATCCTCATC
CCCCGCTGGACCTGGTCATCTCCCTGGTGGGCTCCGTGAGTGGCACCAGCCCTGGCCCTC
ATCATCCCAACGCTCCTGGAGGTCACCACGTTCTACTCAGAGGGCATGAGCCCCCTCACC
ATCTTCAAGGACGCCCTGATCAGCATCCTGGGCTTCGTGGGCTTTGTGGTGGGGACCTAC
CAGGCCCTGGACGAGCTGCTCAAGTCAGAAGACTCTACCCCTTTTCCAACCTCACCACCT
TTTGTTCGGTGA

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Restriction Sites:	Please inquire
ACCN:	NM_181776
Insert Size:	1500 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_181776.1, NP_861441.1</u>
RefSeq Size:	3407 bp
RefSeq ORF:	1452 bp
Locus ID:	153201
UniProt ID:	<u>Q495M3</u>
Cytogenetics:	5q33.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a pH-dependent proton-coupled amino acid transporter that belongs to the amino acid auxin permease 1 protein family. The encoded protein primarily transports small amino acids such as glycine, alanine and proline. Mutations in this gene are associated with iminoglycinuria and hyperglycinuria. [provided by RefSeq, Sep 2010]