

Product datasheet for **SC321892**

SLC47A2 (NM_152908) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC47A2 (NM_152908) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC47A2
Synonyms:	MATE2; MATE2-B; MATE2-K; MATE2K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_152908.2
 CTGGCCGTGCAGGCGCTCAGGCGTGACGGGTAGCCAGTGCCCGGCCAGGAATGGACAGC
 CTCCAGGACACAGTGGCCCTGGACCATGGGGGTGCTGCCCTGCCCTCAGCAGGCTGGTT
 CCCAGAGGCTTTGGGACTGAGATGTGGACTCTCTTTGCCCTTTCTGGACCCCTGTTCTG
 TTCCAGGTGCTGACTTTTATGATCTACATCGTGAGCACTGTGTTCTGCGGGCACCTGGGC
 AAGGTGGAGCTGGCATCGGTGACCCTCGCGGTGGCCTTTGTCAATGTCTGCGGAGTTTCT
 GTAGGAGTTGGTTTGTCTTCGGCATGTGACACCTTGATGTCTCAGAGCTTCGGCAGCCCC
 AACAAAGAAGCACGTGGGCGTGATCCTGCAGCGGGGAGCGCTGGTCTGCTCCTCTGCTGC
 CTCCCTTGCTGGGCGCTCTTCTCAACCCAGCACATCCTGCTGCTCTTCCGGCAGGAC
 CCGGACGTGTCCAGGTTGACCCAGGACTATGTAATGATTTTCATTCCAGGACTTCCGGTG
 ATTTTTCTTTACAATCTGCTGGCAAAATATTTGCAAAATCAGGGATGGCTGAAGGGGCAG
 GAGGAGGAGTCCCATTCCAAACCCCGGGTTTGCCATCCTCCATCCATCTCACTCACAC
 CTTAGCAGGGCCAGTTTTCATTTATTTCAGAAGATCACCTGGCCCAAGTCTCAGTGGT
 GTGGTGGGCAACTGTGTCAACGGTGTGGCAACTATGCCCTGGTTTCTGTGCTGAACCTG
 GGGGTGAGGGGCTCCGCCTATGCCAACATCATCTCCAGTTTGACAGACCGTCTTCCTC
 TTCTCTACATTGTGCTGAAGAAGCTGCACCTGGAGACGTGGGCAGGTTGGTCCAGCCAG
 TGCTGACAGGACTGGGGCCCTTCTTCTCCCTGGCTGTCCCAGCATGCTCATGATCTGT
 GTTGAGTGGTGGGCTATGAGATCGGGAGCTTCCTCATGGGGCTGCTCAGTGTGGTGGAT
 CTCTCTGCCAGGCTGTCTATGAGGTGGCCACTGTGACCTACATGATTCCCTTGGGG
 CTCAGCATCGGGTCTGTGTCCGAGTGGGGATGGCTCTGGGGGCTGCGGATACTGTGCAG
 GCCAAGCGCTCGGCCGTCTCGGGCGTGCTCAGCATAGTTGGCATTTCCTGGTCTGGGC
 ACCCTGATAAGCATCCTGAAAAATCAGTGGGGCATATTTTACCAATGATGAAGATGTC
 ATTGCCCTGGTGAGCCAGGTCTTGCCGGTTTATAGTGTCTTTCACGTGTTTGAGGCCATC
 TGTGTGTCTATGGCGGAGTTCTGAGAGGAAGTGGGAAGCAGGCCTTTGGTGGCGCTGTG
 AATGCCATCACATATTACATCATCGGCCTACCACTGGGCATCCTTCTGACCTTTGTGGTC
 AGAATGAGAATCATGGGCCTCTGGCTGGGCATGCTGGCCTGTGTCTTCTGGCAACTGCT
 GCCTTTGTGCTTATACTGCCCGCTGGACTGGAAGCTTGCTGCAGAGGAGGCTAAGAAA
 CATTTCAGGCCGGCAGCAGCAGCAGAGAGCAGAGAGCACTGCAACCAGACCTGGGCCTGAG
 AAAGCAGTCTATCTTCAGTGGCTACAGGCAGTTCCTTGGCATTACCTTGACAACGTAT
 TCAAGGTCTGAGTGCCACGTGGACTTCTTCAGGACTCCAGAGGAGGCCACGCCCTTTCA
 GCTCCTACCAGCAGACTATCAGTGAAACAGCTGGTTCATCCGCCGTGGGGTGTCTGGGG
 GCGGCGTCAGCCCACTGATGGTGGGGCTCACGGTCAGGATCCTAGCCACCAGGCACTAG
 CAAAGAAGCTTGAAATAGAAAGCCAGGAGTGGCTGTCCCAGTATGCAAAACACACCACG
 GTCTGCCCTGCAAAAACCAATGGGGTCTAGTGACGGTGGACACTTTGAACCACTCCTC
 AAAAAAGAATTTGGCTGATTCCTTGTGGTGACACTCAGAGGGGTCTGAACAGACTTGA
 CAATTCTGTTCTGGTCAAGCTGGAGTTTCTTCTGTGACTTGGACTGCTCTACAGAAGAC
 ATCAGCCAACGCACGAGTCAGAGTCCAGGGATTGTCACTATTATTAATAATGTAATGG
 CTTCAAATGGGACACTGCAGATAAAATCACAAAAACCACTGTTATATTAAGATTACACA
 TTTCTGGGCAA
 AA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_152908

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152908.2 , NP_690872.2
RefSeq Size:	2253 bp
RefSeq ORF:	1809 bp
Locus ID:	146802
UniProt ID:	Q86VL8
Cytogenetics:	17p11.2
Domains:	MatE
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a protein belonging to a family of transporters involved in excretion of toxic electrolytes, both endogenous and exogenous, through urine and bile. This transporter family shares homology with the bacterial MATE (multidrug and toxin extrusion) protein family responsible for drug resistance. This gene is one of two members of the MATE transporter family located near each other on chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longest isoform (1), also known as MATE2.