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Product datasheet for SC316782

SLC47A2 (NM_001099646) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC47A2 (NM_001099646) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC47A2
Synonyms:	MATE2; MATE2-B; MATE2-K; MATE2K
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001099646, the custom clone sequence may differ by one or more nucleotides

ATGGACAGCCTCCAGGACACAGTGGCCCTGGACCATGGGGGCTGCTGCCCTGCCCTCAGCAGGCTGGTTC
CCAGAGGCTTTGGGACTGAGATGTGGACTCTCTTTGCCCTTTCTGGACCCCTGTTCCTGTTCCAGGTGCT
GACTTTTATGATCTACATCGTGAGCACTGTGTTCTGCGGGCACCTGGGCAAGGTGGAGCTGGCATCGGTG
ACCCTCGCGGTGGCCTTTGTCAATGTCTGCGGAGTTTCTGTAGGAGTTGGTTTGTCTTCGGCATGTGACA
CCTTGATGTCTCAGAGCTTCGGCAGCCCCAACAAGAAGCACGTGGGCGTGATCCTGCAGCGGGGCGCGCT
GGTCCTGCTCCTCTGCTGCCTCCCTTGCTGGGCGCTCTTCCTCAACACCCAGCACATCCTGCTGCTCTTC
CGGCAGGACCCGGACGTGTCCAGGTTGACCCAGGACTATGTAATGATTTTCATTCCAGGACTTCCGGTGA
TTTTTCTTTACAATCTGCTGGCAAAATATTTGCAAAATCAGAAGATCACCTGGCCCCAAGTCCTCAGTGG
TGTGGTGGGCAACTGTGTCAACGGTGTGGCCAACTATGCCCTGGTTTCTGTGCTGAACCTGGGGGTCAGG
GGCTCCGCCTATGCCAACATCATCTCCCAGTTTGCACAGACCGTCTTCCTCCTTCTCTACATTGTGCTGA
AGAAGCTGCACCTGGAGACGTGGGCAGGTTGGTCCAGCCAGTGCCTGCAGGACTGGGGCCCCTTCTTCTC
CCTGGCTGTCCCCAGCATGCTCATGATCTGTGTTGAGTGGTGGGCCTATGAGATCGGGAGCTTCCTCATG
GGGCTGCTCAGTGTGGTGGATCTCTCTGCCCAGGCTGTCATCTACGAGGTGGCCACTGTGACCTACATGA
TTCCCTTGGGGCTCAGCATCGGGGTCTGTGTCCGAGTGGGGATGGCTCTGGGGGCTGCGGATACTGTGCA
GGCCAAGCGCTCGGCCGTCTCGGGCGTGCTCAGCATAGTTGGCATTTCCCTGGTCCTGGGCACCCTGATA
AGCATCCTGAAAAATCAGCTGGGGCATATTTTTACCAATGATGAAGATGTCATTGCCCTGGTGAGCCAGG
TCTTGCCGGTTTATAGTGTCTTTCACGTGTTTGAGGCCATCTGTTGTGTCTATGGCGGAGTTCTGAGAGG
AACTGGGAAGCAGGCCTTTGGTGCCGCTGTGAATGCCATCACATATTACATCATCGGCCTACCACTGGGC
ATCCTTCTGACCTTTGTGGTCAGAATGAGAATCATGGGCCTCTGGCTGGGCATGCTGGCCTGTGTCTTCC
TGGCAACTGCTGCCTTTGTTGCTTATACTGCCCGGCTGGACTGGAAGCTTGCTGCAGAGGAGGCTAAGAA
ACATTCAGGCCGGCAGCAGCAGCAGAGAGCAGAGAGCACTGCAACCAGACCTGGGCCTGAGAAAGCAGTC
CTATCTTCAGTGGCTACAGGCAGTTCCCCTGGCATTACCTTGACAACGTATTCAAGGTCTGAGTGCCACG
TGGACTTCTTCAGGACTCCAGAGGAGGCCCACGCCCTTTCAGCTCCTACCAGCAGACTATCAGTGAAACA
GCTGGTCATCCGCCGTGGGGCTGCTCTGGGGGCGGCGTCAGCCACACTGATGGTGGGGCTCACGGTCAGG
ATCCTAGCCACCAGGCACTAG

Restriction Sites: Please inquire

ACCN: NM_001099646

Insert Size: 1701 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001099646.1, NP_001093116.1
RefSeq Size:	2247 bp
RefSeq ORF:	1701 bp
Locus ID:	146802
UniProt ID:	Q86VL8
Cytogenetics:	17p11.2
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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2, also known as MATE2-K), compared to isoform 1.