

Product datasheet for **SC103114**

SLC49A4 (NM_032839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC49A4 (NM_032839) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC49A4
Synonyms:	DIRC2; RCC4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC103114 sequence for NM_032839 edited (data generated by NextGen Sequencing)

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ATGGGCTCTCGCTGGAGCAGCGAAGAGGAGAGGCAGCCGCTGCTGGGGCCCGGGCTCGGG
CCTGGGCTGGGGGCTCCTGGAGAAGCCGGGAGGCGGGCGGGCGGCGCTGCCCGCGGG
GTCCCGGGTCCCAGGGCGGTATACGGGCGCCGCTGGCTGGTGTGCTGCTCTTCTCGTG
CTGGCGTTCGTTACAGGCTGGTCTGGAACACCTGGGGTCCCATCCAGAACTCGGCGGC
CAGGCCTACGGCTTCTCCAGCTGGGACATCGCGTGTCTGCTGTGGGGCCCATCGGC
TTCTGCTGCTGCTCGCTTCATGTGGCTCCTGGACAAGAGAGGTCTCCGATAACTGTG
CTCCTGACATCCTTCTTATGGTTTTGGAACTGGTCTAAGATGCATACCTATATCAGAC
TTAATCCTTAAAAGAAGATTAATTCATGGAGGACAGATGTTAAATGGATTGGCAGGTCCA
ACTGTAATGAATGCAGCACCATTTCTCTACGACGTGGTTTTCTGCAGATGAAAGGGCC
ACAGCCACAGCTATTGCATCAATGCTCAGTTATCTTGGGGAGCATGTGCATTTTAGTT
GGACCACTGTTGTTCCAGCTCCCAATGGGACATCACCTCTTCTGCTGCAGAGAGCAGC
AGGGCGCATATTAAGATCGCATAGAGGCTGTGTTATATGCAGAAATTTGGAGTTGTCTGC
TTAATATTTTCTGCAACTAGCTTATTTCCACCCCGACCTCCTTCTCCAGTGTT
GCTGCAGCTAGCCAGCGCTGAGTTATCGGAGAAGCGTTTGTAGATTATTAAGCAATTTT
CGATTTTGTAGATTGCTTTAGCATATGCCATACCACTTGGTGTATTTGCTGGCTGGTCT
GGAGTTCTGGACTTAATTTAACACCAGCGCATGTGAGCAAGTAGATGCTGGCTGGATT
GGATTTTGGTCCATAGTTGGAGGCTGTGTTGTTGGAATAGCTATGGCAAGTTTGCAGAT
TTTATCAGGGGTATGCTGAAACTAATCTTCTCCTCCTGTTTTCGGGAGCTACACTGTCA
TCCACGTGGTTCCACCTGACCTGTTTGAACAGCATCACACACTACCTTTAACACAGTG
ACATTGTATGCCTCCTGTATTCTCCTGGGAGTGTCTTGAATAGCAGCGTGCCTATATTT
TTTGAGCTTTTTGTGAAACTGTCTACCCAGTTCAGAAAGGAATTACTTTGTGGAGTTGTC
ACTTTTTTAAGTAATATGTTTATGGGAGTACTTTTATTTTTTCTCATTATTCATACA
GAGTTGTCTTGGTTCAACTGGTGCCTTCCGGGTGCTGTTTGTGCTAGTCTCCTCCTCATT
CTGTGCTTCAGGGAATCCTATGACAGACTCTATCTTGATGTGGTTGTCTCCGTTAA
    
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Clone variation with respect to NM_032839.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032839 unedited
GTATTTTGAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCGCCTCCTGC
TGCTCCGACTATTCTGCGCTGGGCTAGTCGGCGGTGACCCGACTGCGCCCGGCAGTGG
CTTCGCGGGCGACGCGTCGCCATGGGCTCTCGCTGGAGCAGCGAAGAGGAGAGGCAGCCG
CTGCTGGGGCCCGGGCTCGGGCTGGGCTGGGGCCCTCCTGGAGAAGCCGGGAGGCGGGC
GCGGGCGGCGTCCCAGCGGGTCCCAGGTCGGGGTACGGGCGCCGCTGGCTG
GTGCTGCTGCTCTTCTCGCTGCTGGCGTTCGTTACAGGCTGGTCTGGAACACCTGGGGT
CCCATCCAGAACTCGGCGCGCCAGGCCTACGGCTTCTCCAGCTGGGACATCGCGTGTCTC
GTGCTGTGGGGCCCATCGGCTTCTGCCCTGCTTCGCGTTCATGTGGCTCCTGGACAAG
AGAGGTCTCCGGATAACTGTGCTCCTGACATCCTTCTTATGGTTTTGGAACTGGTCTA
AGATGCATACCTATATCAGACTTAATCCTTAAAAGAAGATTAATTCATGGAGGACAGATG
TTAAATGGATTGGCAGGTCCAATGTAATGAATGCAGCACCATTTCTCTACGACGTGG
TTCTCTGCAGATGAAAGGGCCACAGCCACAGCTATTGCATCAATGCTCAGTTATCTTGGG
GGAGCATGTGCATTTTATGTTGGACCACTGTTGNTCCAGCTCCCAATGGGACATCACCT
CTTCTTGTGCTCAGAGAGCAGCAGGGCGCATATAANAGATCGCATAGAGGCTGTGTTATAT
GCAGAATTTGGAGTTGTCTGGCTAATATTTTCTGGCACACTAGCTTTATCCACCCCGA
CCTCCTTTTCTCAGTGTGCTGCAGCTAGCCAGCGCCTGAGTAATCGAACAGCCGTTG
GAGATTATTACCN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032839 unedited GGCCTCNTTGNCCGCGGCCGCTTTCTANGATCGGNTTTTTTTTTTTTTTTTTTTCTATA AAAATGGCTTTATTAATAAAAAAGTAGTGTACATGTGGCTAATTTCCATCATCGATATACC TCTTGGCTATTTTATCATTAAAATTGGATACAGGGTTTGAACCTCTTTAAAAGTTAGGGG CATATCTTCTATCTGATATGTGACTTAGGGAAGGCGTTATCTTCATATGATAGACACC CTTTATTTCTTTTCATAATTACAAGTAATCAGTAGTTTAGCACTGGCCAAAACAGAGAG AGAATTACTTAGGTAGTGCTTTATGTGTAAGAAGTCACACTTCCAACCCAGAAGCAGGC ACAGGTATGCCATCTGTAGAGTTTTAAAATCCCCTATTATCACTCAAGTCTCCCATTATT ATTACCTAGTAGTAATTAATTAATGTGATAATCTGTAACCTAACAAAACCTCTGAATGA AGTTCTTTCTTCTCCCTCTTTTCTGTAGATGTGCAATTCTGAGCAAATGTGCAGTGT GCAGTATTGATTCCAGCCTCCTTTAACTCCTTCAAGTCTGTGCTATTAACGGGAGAC AACACATCAAGATAGAGTCTGTCATAGGATTCCCTGAAGCACAGAATGAGGAGGAGACT GAGCAAACCCACCCGGGAAGGACCAGTTGAACCAAGAACTCTGTATGATAAAAAGTG AGAAAAATAAAAAGTACTCCATAAACATATTACTTAAAAAGGGACACCTCCACAAGTAT TCCCTTCTGCAACTGGGTAACACAGTTCCACAAAAGCCAAAAAAAATAGGCCCGTGCTA TTCAAGACCCTCCAGGAGATACAGGAGCTACATGTCCCGTGGTTAAAGTCAGTGTGGG AGCTTGTCAACG
Restriction Sites:	ECoRI-NOT
ACCN:	NM_032839
Insert Size:	2150 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:	<ol style="list-style-type: none"> 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_032839.1</u> , <u>NP_116228.1</u>
RefSeq Size:	2106 bp
RefSeq ORF:	1437 bp
Locus ID:	84925
UniProt ID:	<u>Q96SL1</u>
Cytogenetics:	3q21.1
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a membrane-bound protein from the major facilitator superfamily of transporters. Disruption of this gene by translocation has been associated with haplo-insufficiency and renal cell carcinomas. Alternatively spliced transcript variants have been described, but their biological validity has not yet been determined. [provided by RefSeq, Jul 2008]