

Product datasheet for **SC324100**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032839.1
 GGGCGACCACAGCAGCCTCCGCCTCTGCTGCTCCGGACTATTCTGCGCTGGGCTAGTCG
 GCGGTGACCCGGACTGCGCCCGGAGTGGCTTCGCGGGCGACGCGTCGCCATGGGCTCTC
 GCTGGAGCAGCGAAGAGGAGAGGCCGCTGCTGGGGCCCGGGCTCGGGCTGGGCTGG
 GGGCTCTGGAGAAGCCGGGAGCGCGCGCGCGCGCTGCCCGCGCGGTCCCGGGTC
 CCGGGCGGGTATACGGGCGCCGCTGGCTGGTGTCTGCTCTTCTCGCTGCTGGCGTTCCG
 TTCAGGGCTGGTCTGGAACACCTGGGGTCCCATCCAGAACTCGGCGCGCCAGGCCTACG
 GCTTCTCCAGCTGGGACATCGCGCTGCTCGTGTGTGGGGGCCATCGGCTTCTGCCCT
 GCTTCGCGTTCATGTGGCTCCTGGACAAGAGAGGTCTCCGGATAACTGTGCTCCTGACAT
 CCTTCTTATGGTTTTGGAACTGGTCTAAGATGCATACCTATATCAGACTTAATCCTTA
 AAAGAAGATTAATTCATGGAGGACAGATGTTAAATGGATTGGCAGGTCCAAGTGAATGA
 ATGCAGCACCATTCTCTACGACGTGGTTTTCTGCAGATGAAAGGGCCACAGCCACAG
 CTATTGCATCAATGCTCAGTTATCTTGGGGAGCATGTGCATTTTTAGTTGGACCACTTG
 TTGTTCCAGCTCCAATGGGACATCACCTCTTCTGCTGCAGAGCAGCAGGGCGCATA
 TTAAGATCGCATAGAGGCTGTGTTATATGCAGAAATTTGGAGTTGTCTGCTTAATATTTT
 CTGCAACTAGCTTATTTCCACCCCGACCTCCTCTTCTCCAGTGTGCTGCAGCTA
 GCCAGCGCTGAGTTATCGGAGAAGCGTTGTAGATTATTAAGCAATTTTCGATTTTTGA
 TGATTGCTTTAGCATATGCCATACCACTTGGTGTATTTGCTGGCTGGTCTGGAGTTCTGG
 ACTTAATTTTAAACCAGCGCATGTGAGCAAGTAGATGCTGGCTGGATTGGATTTTGGT
 CCATAGTTGGAGGCTGTGTTGTTGGAATAGCTATGGCAAGGTTTGCAGATTTTATCAGGG
 GTATGCTGAACTAATTTCTCTCTCTGTTTTCGGGAGCTACACTGTATCCACGTGGT
 TCACCTGACCTGTTTGAACAGCATCACACACCTACCTTAACCACAGTGACATTGTATG
 CCTCTGTATTTCTCTGGGAGTGTCTTGAATAGCAGCGTGCCTATATTTTTTTGAGCTTT
 TTGTGGAAGTGTCTACCCAGTTCCAGAAGGAATTAAGTGTGGAGTTGTCACTTTTTTAA
 GTAATATGTTTATGGGAGTACTTTTATTTTTTCTCACATTTTATCATAACAGATTGTCTT
 GGTCAACTGGTGCCTCCCGGGTCTGTTTGTCTCAGTCTCCTCCTATTCTGTGCTTCA
 GGAATCCTATGACAGACTCTATCTTGATGTGGTTGTCTCCGTTAATAGCACAGACTTG
 AAGGAGTTTAAAGGAGGCTGGAATCAATACTGCACACTGCACATTTGCTCAGAATTGC
 ACATCTAACAGGAAAAGAGGGAGAAGAAAGAACTTCATTAGAGGTTTTGTTAGGTTAC
 AGATTATCACATTAATTTAATTACTACTAGGTAATAATAATGGGAGACTTGAGTGATAAT
 AGGGGATTTTAAACTCTACAGATGGCATACTGTGCCTGCTTCTGGGGTTGGAAGTGTG
 ACTTCTTACACATAAAGCACTACCTAAGTAATTCTCTCTGTTTTGTGCCAGTGCTAAA
 CTACTGATTACTTGAATTATGAAAAGAAATAAAGGGTGTCTATCATATGAAGATAACGC
 CTTCCCTAAGTCACATATCAGAATAGGAAGATATGCCACTAAGTCTAAAGAAAGTTCAA
 CCCTGTATCCAATTTTAAATGATAAAATAGCCAAGAGGTATATCGATGATGGAAATTAGCC
 ACATGTACACTACATTTTTTCTAATAAAGCCATTTCTTATATGACTCCTTAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_032839

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:	<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]