

Product datasheet for **RC208024**

SLC49A4 (NM_032839) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SLC49A4 (NM_032839) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SLC49A4 |
| Synonyms: | DIRC2; RCC4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC208024 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTCTCGCTGGAGCAGCGAAGAGGAGAGGCAGCCGCTGCTGGGGCCCGGGCTCGGGCTGGGCTGG
 GGGCTCCTGGAGAAGCCGGGAGGCGCGCGCGCGCTGCCCGCGCGGTCCCGGGTCCCGGGCGGGT
 ATACGGGCGCCGCTGGCTGGTGTCTGCTCTTCTCGCTGCTGGCGTTCGTTTCAGGGCTGGTCTGGAAC
 ACCTGGGGTCCCATCCAGAACTCGGCGCGCCAGGCCTACGGCTTCTCCAGCTGGGACATCGCGCTGCTCG
 TGCTGTGGGGCCCATCGGCTTCTGCCCTGCTTCGCGTTCATGTGGCTCCTGGACAAGAGAGGTCTCCG
 GATAACTGTGCTCCTGACATCCTTCTTATGGTTTTGGAACTGGTCTAAGATGCATACCTATATCAGAC
 TTAATCCTTAAAAGAAGATTAATTCATGGAGGACAGATGTTAAATGGATTGGCAGGTCCAACCTGTAATGA
 ATGCAGCACCATTCTCTACGACGTGGTTTTCTGCAGATGAAAGGGCCACAGCCACAGCTATTGCATC
 AATGCTCAGTTATCTTGGGGAGCATGTGCATTTTTAGTTGGACCACTTGTGTTCCAGCTCCCAATGGG
 ACATCACCTCTTCTGCTGCAGAGAGCAGCAGGGCGCATATAAAGATCGCATAGAGGCTGTGTTATATG
 CAGAAATTTGGAGTTGCTGCTTAATATTTCTGCAACACTAGCTTATTTCCACCCCGACCTCCTCTTCC
 TCCAGTGTGCTGCAGCTAGCCAGCGGCTGAGTTATCGGAGAAGCGTTTGTAGATTATTAAGCAATTTT
 CGATTTTTGATGATTGCTTAGCATATGCCATACCACTTGGTGTATTTGCTGGCTGGTCTGGAGTTCTGG
 ACTTAATTTAACACCAGCGCATGTGAGCAAGTAGATGCTGGCTGGATTGGATTTTGGTCCATAGTTGG
 AGGCTGTGTTGTTGGAATAGCTATGGCAAGGTTTGCAGATTTTATCAGGGGTATGCTGAACTAATCTT
 CTCCTCTGTTTTCGGGAGCTACACTGTGATCCACGTGGTTCACCCTGACCTGTTGAACAGCATCACAC
 ACCTACATTTAACACAGTGACATTGTATGCCTCCTGTATTCTCCTGGGAGTGTCTTGAATAGCAGCGCT
 GCCTATATTTTTGAGCTTTTTGTGAAACTGTCTACCCAGTTCAGAAGGAATTAATCTGTGGAGTTGTC
 ACTTTTTTAAGTAATATGTTTATGGGAGTACTTTTTATTTTTCTCACATTTATCATACAGAGTTGTCTT
 GGTCAACTGGTGCCTCCCGGGTCTGTTTGTCTCAGTCTCCTCCTATTCTGTGCTTCAGGGAATCCTA
 TGACAGACTCTATCTTGATGTGTTGTCTCCGTT

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208024 protein sequence
 Red=Cloning site Green=Tags(s)

MGRSWSSEERQPLLGPGLGPGLGASWRSREAAAAALPAAVPGPGRVYGRRWLVLLLFSLAFVQGLVWN
 TWGPIQNSARQAYGFSSWDIALLVLWGPVIGFLPCFAFMWLLDKRGLRITVLLTSFLMVLGTGLRCIPISD
 LILKRRILHGGQMLNLAGPTVMNAAPFLSTTWFSADEATATAIASMLSYLGGACAFVGLVVPAPNG
 TSPLLAAESSRAHIKDRIEAVLYAEFGVVCLIFSATLAYFPPRPPLPPSVAASQRLSYRRSVCRLLSNF
 RFLMIALAYAIPLGVFAGWSGVLIDLILTPAHVSQVDAGWIGFWSIVGGCVVGIAMARFADFIRGMLKIL
 LLLFSGATLSSTWFTLTCLNSITHLPLTTVTLYASCILLGVFLNSSVPIFFELFVETVYPVEGITCGVV
 TFLSNMFMGVLFFLTFYHTELSWFNWCLPGSCLLSLLLILCFRESYDRLYLDVVVSV

TRPLEQKLI SEEDLAANDILDYKDDDDKV

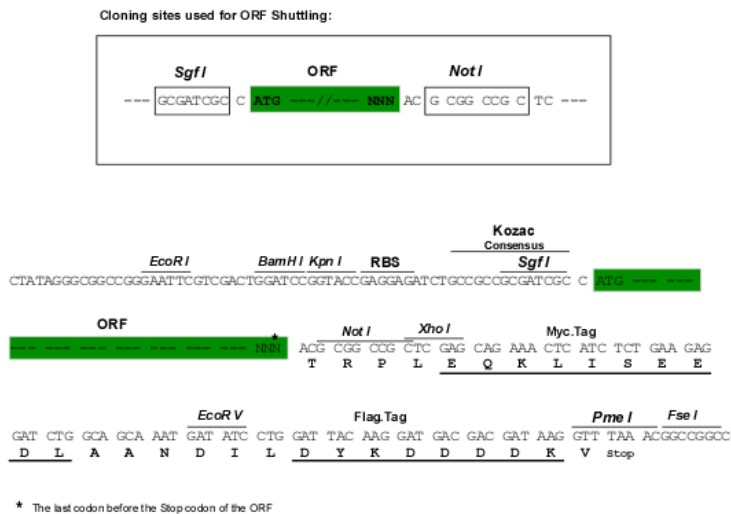
Chromatograms:

https://cdn.origene.com/chromatograms/mk6800_h04.zip

Restriction Sites:

Sgfl-NotI

Cloning Scheme:



ACCN: NM_032839

ORF Size: 1434 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_032839.3](#)

RefSeq Size: 3348 bp

RefSeq ORF: 1437 bp

Locus ID: 84925

UniProt ID: [Q96SL1](#)

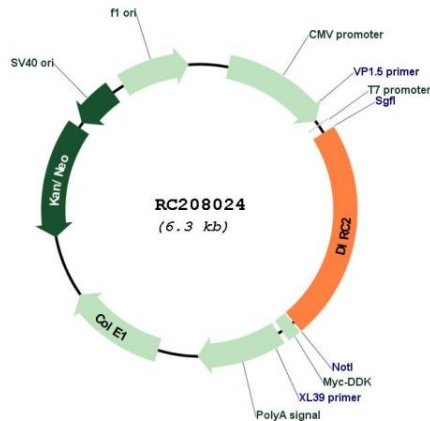
Cytogenetics: 3q21.1

Protein Families: Transmembrane

MW: 52.1 kDa

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]

Product images:



Circular map for RC208024