

## Product datasheet for **RC230252**

### SLC22A8 (NM\_001184732) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A8 (NM_001184732) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A8
Synonyms:	OAT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC230252 representing NM\_001184732  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCTTCTCGGAGATCCTGGACCGTGTGGGAAGCATGGGCCATTTCCAGTTCCTGCATGTAGCCATAC  
 TGGGCCTCCCGATCCTCAACATGGCCAACCACAACCTGCTGCAGATCTTACAGCCGCCACCCCTGTCCA  
 CCACTGTCGCCCCGCCCAATGCCTCCACAGGCGCTTGGGTGCTCCCATGGGCCCAAATGGGAAGCCT  
 GAGAGGTGCCTCCGTTTTGTACATCCGCCCAATGCCAGCCTGCCCAATGACACCCAGAGGGCCATGGAGC  
 CATGCCTGGATGGCTGGGTCTACAACAGCACCAAGGACTCCATTGTGACAGAGTGGGACTTGGTGTGCAA  
 CTCCAACAACTGAAGGAGATGGCCAGTCTATCTTCATGGCAGGTATACTGATTGGAGGGCTCGTGCTT  
 GGAGACCTGTCTGACAGTTTGGCCGAGGCCATCCTGACCTGCAGCTACCTGTGCTGGCAGCCAGCG  
 GCTCCGGTGCAGCCTTCAGCCCCACCTTCCCCATCTACATGGTCTCCGCTTCTGTGTGGCTTTGGCAT  
 CTCAGGCATTACCCTGAGCACCGTCATCTTGAATGTGGAATGGGTGCCTACCCGGATGCGGGCCATCATG  
 TCGACAGCACTCGGGTACTGCTACACCTTTGGCCAGTTTATTCTGCCCGGCTGGCTACGCCATCCCCC  
 AGTGGCGTTGGCTGCAGTAACTGTGTCCATTCCTTCTTCGTCTTCTCCTATCATCTGGTGGACACC  
 AGAGTCCATACGCTGGTTGGTCTTGTCTGGAAAGTCTCGAAGGCCCTGAAGATACTCCGGCGGGTGGCT  
 GTCTTCAATGGCAAGAAGGAAGAGGGAGAAAGGCTCAGCTTGGAGGAGCTCAAACCAACCTGCAGAAGG  
 AGATCTCCTTGGCCAAGGCCAAGTACACCGCAAGTACCTGTTCGGATACCCATGCTGCCCGCATGAC  
 CTTCTGTCTTCCCTGGCTGGTTTGTACCGGTTTTGCCTACTATAGTTTGGCTATGGGTGTGGAAGAA  
 TTTGGAGTCAACCTCTACATCCTCCAGATCATCTTTGGTGGGTGCATGTCCAGCCAAGTTCATACCA  
 TCCTCTCCTTAAGCTACCTGGCCGGCATACCCTCAGGCCGCTGCCCTGCTCCTGGCAGGAGGGCCAT  
 CTTGGCTCTCACCTTTGTGCCCTTGGACTTGCAGACCGTGAGGACAGTATTGGCTGTGTTTGGGAAGGGA  
 TGCTATCCAGCTCCTTCAGCTGCCTTCTCCTCTACACAAGTGAATTATACCCACAGTATCAGGCAAA  
 CAGGTATGGCGTAAGTAACCTGTGGACCCGCGTGGGAAGCATGGTGTCCCGCTGGTAAAAATCACGGG  
 TGAGGTACAGCCCTTCATCCCAATATCATCTACGGGATCACCGCCCTCCTCGGGGGCAGTGTGCCCTC  
 TTCCTGCCTGAGACCTGAATCAGCCCTTGCCAGAGACTATCGAAGACCTGGAAAAGTGGTCCCTGCGGG  
 CAAAGAAGCCAAAGCAGGAGCCAGAGGTGGAAGGCCTCCAGAGGATCCCTCTACAGCCTCACGGACC  
 AGCCTGGGCTCCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230252 representing NM\_001184732  
 Red=Cloning site Green=Tags(s)

MTFSEILDRVGSMGHFQFLHVAIILGLPILNMANHNLQIFTAATPVVHCRPPHNASTGPVWVPMGPNGKP  
 ERCLRFVHPPNASLPNDTQRAMEPCLDGWVYNSTKDSIVTEWDLVCNSNKLKEMAQSIFMAGILIGGLVL  
 GDLSDFRGRRIILTCSYLLLAASGGAFAFSPFPFIYMVFRFLCGFGISGITLSTVILNVEVPTRMRAIM  
 STALGYCYTFGQFILPGLAYAIQWRWLQTLVSIPIFFVFFLSSWWTPEIRLWVLSGKSSKALKILRRVA  
 VFNGKKEEGERLSLEELKLNQKEISLAKAKYTASDLFRIPMLRRMTFCLSLAWFATGFAYYSLAMGVEE  
 FGVNLYILQIIFGGVDVPAKFITILSLSYLRHTTQAAALLLAGGAILALTFVPLDLQTVRTVLAVFGKG  
 CLSSFSCLFLYSEL YPTVIRQTGMVSNLWTRVGSMSPLVKITGEVQPFIPNIYGITALLGSSAAL  
 FLPETLNQPLPETIEDLENWSLRAKKPKQEPEVEKASQRIPLQPHGPGGLSS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8066\\_d05.zip](https://cdn.origene.com/chromatograms/mk8066_d05.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001184732

ORF Size: 1626 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\\_001184732.1](#), [NP\\_001171661.1](#)

RefSeq ORF: 1629 bp

Locus ID: 9376

UniProt ID: [Q8TCC7](#)

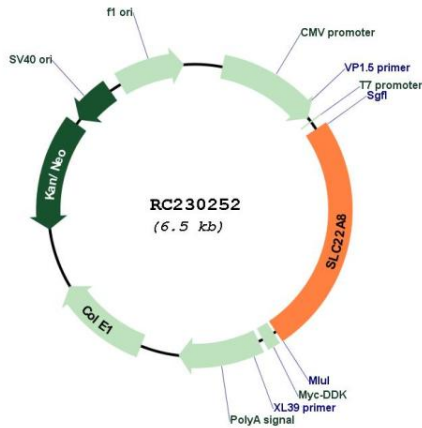
Cytogenetics: 11q12.3

**Protein Families:** Transmembrane

**MW:** 60.3 kDa

**Gene Summary:** This gene encodes a protein involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and appears to be localized to the basolateral membrane of the kidney. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, May 2010]

**Product images:**



Circular map for RC230252