

Product datasheet for **RG230252**

SLC22A8 (NM_001184732) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SLC22A8 (NM_001184732) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | SLC22A8 |
| Synonyms: | OAT3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG230252 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
 AGATCTCCTTGGCCAAGGCCAAGTACACCGCAAGTGACCTGTTCGGATACCCATGCTGCCCGCATGAC
 CTTCTGTCTTCCCTGGCTGGTTTGTACCGGTTTTGCCTACTATAGTTTGGCTATGGGTGTGGAAGAA
 TTTGGAGTCAACCTCTACATCCTCCAGATCATCTTTGGTGGGGTGCATGTCCAGCCAAGTTCATACCA
 TCCTCTCCTTAAGCTACCTGGCCGGCATACCCTCAGGCCGCTGCCCTGCTCCTGGCAGGAGGGCCAT
 CTTGGCTCTCACCTTTGTGCCCTTGGACTTGCAGACCGTGAGGACAGTATTGGCTGTGTTTGGGAAGGGA
 TGCCATCCAGCTCCTTCAGCTGCCTTCTCCTCTACACAAGTGAATTATACCCACAGTATCAGGCAAA
 CAGGTATGGCGTAAGTAACTGTGGACCCGCGTGGGAAGCATGGTGTCCCGCTGGTAAAAATCACGGG
 TGAGGTACAGCCCTTCATCCCAATATCATCTACGGGATACCCGCCCTCCTCGGGGGCAGTGTGCCCTC
 TTCCTGCCTGAGACCCTGAATCAGCCCTTGCCAGAGACTATCGAAGACCTGGAAAAGTGGTCCCTGCGGG
 CAAAGAAGCCAAAGCAGGAGCCAGAGGTGAAAAGGCCTCCAGAGGATCCCTCTACAGCCTCACGGACC
 AGCCTGGGCTCCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230252 representing NM_001184732
 Red=Cloning site Green=Tags(s)

MTFSEILDRVSMGHFQFLHVAAILGLPILNMANHNLLQIFTAATPVVHCRPPHNASTGPWVLPMPNGKP
 ERCLRFVHPPNASLPNDTQRAMEPCLDGWVYNSTKDSIVTEWDLVCNSNKLKEMAQSIIFMAGILIGGLVL
 GDLSDFRGRRPILTCSYLLLAASGGAFAFSPFPFIYMFVRFVLCGFGISGITLSTVILNVEVPTMRMRAIM
 STALGYCYTFGQFILPGLAYAIQWRWLQTVSIPFFVFFLSSWWTPEIRWLVLSGKSSKALKILRRVA
 VFNGKKEEGERLSLEELKLNQKEISLAKAKYASDLFRIPMLRRMTFCLSLAWFATGFAYYSLAMGVVEE
 FGVNLYILQIFGGVDVPAKFITILSLSYLRHTTQAAALLLAGGAILALTFVPLDLQTVRVLAVFGKG
 CLSSSFSLFLYSELVPTVIRQTGMGVSNLWTRVGSMSPLVKITGEVQPFIPNIIYGITALLGGSAAAL
 FLPETLNQPLPETIEDLENWSLRAKKPKQEPEVEKASQRIPLQPHGPGLGSS

TRTRPLE – GFP Tag – V

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 Size: 2176 bp

RefSeq ORF: 1629 bp

Locus ID: 9376

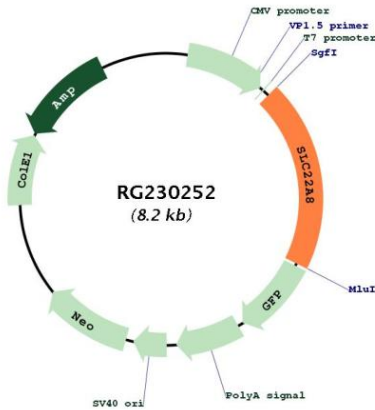
UniProt ID: [Q8TCC7](#)

Cytogenetics: 11q12.3

Protein Families: Transmembrane

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 RG230252