

Product datasheet for **RC215313**

SLC22A6 (NM_153278) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A6 (NM_153278) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A6
Synonyms:	HOAT1; OAT1; PAHT; ROAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC215313 representing NM_153278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTTTAATGACCTCCTGCAGCAGGTGGGGGTGTGCGCCGCTTCCAGCAGATCCAGGTACCCTGG
 TGGTCTCCCCCTGCTCCTGATGGCTTCTCACAACACCCTGCAGAACTTCACTGCTGCCATCCCTACCCA
 CCACTGCCGCCCGCTGCCGATGCCAACCTCAGCAAGAACGGGGGCTGGAGGTCTGGCTGCCCCGGGAC
 AGGCAGGGGCAGCCTGAGTCCTGCCTCCGCTTACCTCCCGCAGTGGGACTGCCCTTTCTCAATGGCA
 CAGAAGCCAATGGCACAGGGGCCACAGAGCCCTGCACCGATGGCTGGATCTATGACAACAGCACCTTCCC
 ATCTACCATCGTACTGAGTGGGACCTTGTGTGCTCTCACAGGGCCCTACGCCAGCTGGCCAGTCTTGT
 TACATGGTGGGGGTGCTGCTCGGAGCCATGGTGTTCGGCTACCTTGACAGCAGGCTAGGCCGCCGGAAGG
 TACTCATCTTGAACACCTGCAGACAGCTGTGTCAGGGACCTGCGCAGCCTTCGCACCCAATTCCCCAT
 CTACTGCGCCTTCGGCTCCTCTCGGGCATGGCTCTGGCTGGCATCTCCCTCACTGCATGACACTGAAT
 GTGGAGTGGATGCCATTACACACGGGCTGCGTGGGCACCTTGATTGGCTATGTCTACAGCCTGGGCC
 AGTTCTCCTGGCTGGTGTGGCCTACGCTGTGCCCACTGGCGCCACCTGCAGCTACTGGTCTCTGCGCC
 TTTTTTGGCTTCTTCACTACTCCTGGTTCTTCAATTGAGTCGGCCCGCTGGCACTCCTCCTCCGGGAGG
 CTGGACCTCACCTGAGGGCCCTGCAGAGAGTCGCCCGGATCAATGGGAAGCGGGAAGAAGGAGCCAAAT
 TGAGTATGGAGGTACTCCGGGCCAGTCTGCAGAAGGAGCTGACCATGGGCAAAGGCCAGGCATCGGCCAT
 GGAGCTGCTGCGTGCCTCCCACTCCGCCACCTTCTCCTGCTCCTCCATGCTGTGGTTGCCACTAGC
 TTTGCATACTATGGGCTGGTCAATGGACCTGCAGGGCTTGGAGTCAGCATCTACCTAATCCAGGTGATCT
 TTGGTGTGGACCTGCCTGCCAAGCTTGTGGCTTCTTGTGCATCACTCCCTGGGTCGCCCGCCTGC
 CCAGATGGCTGCACTGCTGCTGGCAGGCATCTGCATCCTGCTCAATGGGGTATACCCAGGACCAAGTCC
 ATTGTCCGAACCTCTCTTGTGCTGCTGGGAAGGGTTGTCTGGCTGCCTCCTTCACTGCATCTTCTGT
 ATACTGGGAACTGTATCCCAATGATCCGCGCTGCTACTGCTCCTGCCAGAGACCCTGGGCCAGCC
 ACTGCCAGACACGGTGCAGGACCTGGAGAGCAGGTGGGCCCCCACTCAGAAAGAAGCAGGGATATATCCC
 AGGAAAGGAAACAGACGCGACAGCAACAAGAGCACCAGAAGTATATGGTCCCACTGCAGGCCTCAGCAC
 AAGAGAAGAATGGACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215313 representing NM_153278
 Red=Cloning site Green=Tags(s)

MAFNDLLQQVGGVGRFQQIQVTLVVLPLLLMASHNTLQNFATAIPTHHRPPADANLSKNGGLEVLPRD
 RQGQPESCLRFTSPQWGLPFLNGTEANGTGATEPCTDGWIYDNSTFPSTIVTEWDLVCSHRALRQLAQSL
 YMVGVLGAMVFGYLADRLGRRKVLILNYLQTAVSGTCAAFAPNFPFIYCAFRLLSGMALAGISLNCMTLN
 VEWMPIHTRACVGTIGYVYSLGQFLLAGVAYAVPHWRHLQLLVSAFFAFFIYSWFFIESARWHSSSR
 LDLTLRALQRVARINGKREEGAKLSMEVLRASLQKELTMGKGQASAMELLRCPTLRHLFLCLSMLWFATS
 FAYYGLVMDLQGFVSIYLIQVIFGAVDLPKLVGFLVINSLRGRRPAQMAALLLAGICILLNGVIPQDQS
 IVRTSLAVLGKGLAASFNCIFLYTGEL YPTMIRAVTVLLPETLGQPLPDTVQDLESRWAPTQKEAGIYP
 RKGKQTRQQQEHQKYMVPLQASAEKNGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8065_b06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_153278

ORF Size: 1557 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_153278.3](#)

RefSeq Size: 2064 bp

RefSeq ORF: 1560 bp

Locus ID: 9356

UniProt ID: [Q4U2R8](#)

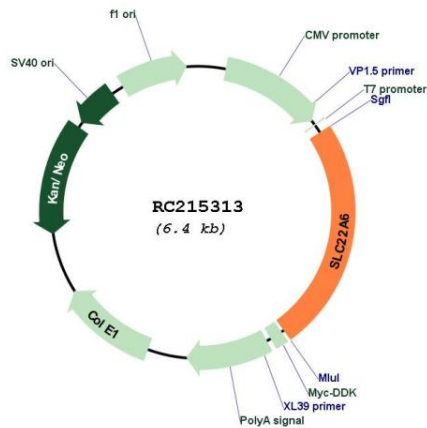
Cytogenetics: 11q12.3

Protein Families: Transmembrane

MW: 57.2 kDa

Gene Summary: The protein encoded by this gene is involved in the sodium-dependent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and may be localized to the basolateral membrane. Four transcript variants encoding four different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215313