

Product datasheet for **RC238496**

SLC28A1 (NM_001287761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC28A1 (NM_001287761) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC28A1
Synonyms:	CNT1; HCNT1; URCTU
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238496 representing NM_001287761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGAACGACCCCTCGAGACGAAGAGAGTCCATCTCTCACACCTGTGGCCAAGGGTCTGGAGAACA
 TGGGGGCTGATTTCTTGAAAGCCTGGAGGAAGGCCAGCTCCCTAGGAGTGACTTGAGCCCCGAGAGAT
 CAGGAGCAGCTGGAGCGAGGCGCGCCGAAGCCCTTCTCCAGATGGAGGAACCTGCAGCCAGCCCTGAGA
 GCCAGAAGCTTCTGCAGGGAGCAGATGCAGCTGTTTCGATGGATCGGCACAGGCCTGCTCTGCACTGGGC
 TCTCTGCCTTCTGCTGGTGGCCTGCCTCCTGGATTTCCAGAGGGCCCTGGCTCTGTTTGTCTCACCTG
 TGTGGTCTCACCTTCTGGGCCACCGCTGCTGAAACGGCTTCTGGGGCCAAAGCTGAGGAGGTTTCTC
 AAGCCTCAGGGCCATCCCCGCTGCTGCTGTTTAAGAGGGGTCTAGCTCTTGCTGCTTCTGGGCC
 TGGTCTGTGGCTGTCTCTGGACACCTCCAGCGGCCTGAGCAACTGGTGTCTTCGAGGAATCTGCGT
 GTTCGTCGCTCTCTCTTTGCCTGCTCAAAGCATATTGCGCAGTGTCTGGAGGGCCGTGTCTGGGGA
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 TGGGCGAGCAGATCCGGATCTTCTGAGCTACACGAAGGCTGGCTCCAGCTTCGTGTTTGGGGAGGCGCT
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 CAGCCACTGAGACCTGAGTGTGGCTGGAACATCTTTGTGAGCCAGACCGAGGCTCCATTACTGATCCG
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 GGCAGCCTGCTGGGTGCCTACATCTCCTTTGGGGTCAAGCTGAAGTCTCACGACGTTTGCCTCTGTG
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 GCAGTAGCTTTGAGATTTACCAGTGTGCCGTGAGGCCTTCAGAGCGTCAATCCAGAGTTCAGCCAGA
 GGCCCTGGACAACTGCTGTCGGTTTTACAACACACGATCTGTGCACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RC238496 representing NM_001287761
 Red=Cloning site Green=Tags(s)

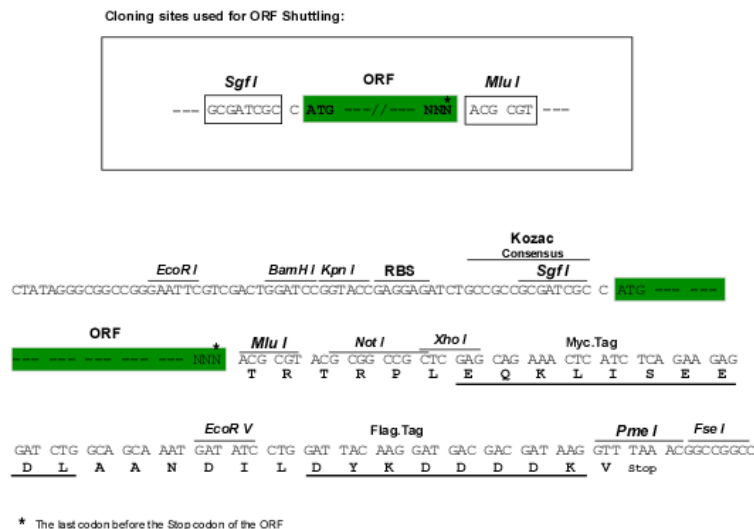
MENDPSRRRESISLTPVAKGLENMGADFLESLEEQQLPRSDLSPAEIRSSWSEAPKPF SRWRNLQPALR
 ARSFCREHMQFLRWIGTGLLCTGLSAFLLVACLLDFQRLALFVLTCVVLTFGLGHRLLKRLLGPKLRRFL
 KPQGHPRLLLWFKRGLALAAFLGLVLWLSLDSQRPEQLVSFAGICVFVALLFACSKHHCAVSWRAVSWG
 LGLQFVLGGLLVIRTEPGFIAFEWLGEQIRIFLSYTKAGSSFVFGAALVKDVFQVLPPIIVFFSCVISVL
 YHVGLMQWVILKIAWLMQVTMGTTATETLSVAGNIFVSQTEAPLLIRPYLADMTLSEVHVMTGGYATIA
 GSLLGAYISFGVRAEVLTTFALCGFANFSSIGIMLGGLTSMVPQRKSDFSQIVLRALFTGACVSLVNACM
 AGILYMPRGAEVDMSLLNNTLSSSSFEIYQCCREAFQSVNPEFSPEALDNCCRFYNHTICAQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001287761

ORF Size: 1449 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001287761.1](#), [NP_001274690.1](#)

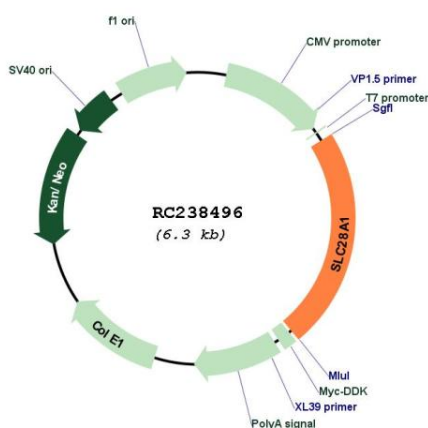
RefSeq Size: 2155 bp

RefSeq ORF: 1452 bp

Locus ID: 9154

Cytogenetics:	15q25.3
Protein Families:	Transmembrane
MW:	53.9 kDa
Gene Summary:	Sodium-dependent and pyrimidine-selective. Exhibits the transport characteristics of the nucleoside transport system cit or N2 subtype (N2/cit) (selective for pyrimidine nucleosides and adenosine). It also transports the antiviral pyrimidine nucleoside analogs 3'-azido-3'-deoxythymidine (AZT) and 2',3'-dideoxycytidine (ddC). It may be involved in the intestinal absorption and renal handling of pyrimidine nucleoside analogs used to treat acquired immunodeficiency syndrome (AIDS). It has the following selective inhibition: adenosine, thymidine, cytidine, uridine >> guanosine, inosine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC238496