

## Product datasheet for RC228297

### SLC41A3 (NM\_001164475) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC41A3 (NM\_001164475) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SLC41A3  
**Synonyms:** SLC41A1-L2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC228297 representing NM\_001164475  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACACTGGCATCCAGACTCTCCACAGCTGCCAACACTGGACAAATTGATGACCCCGAGGAGCAGCACA  
 GAGTCATCAGCAGCAACCTGGCCCTCATCCAGGTGCAGGCCACTGTCGTGGGGCTCTGGCTGCTGTGGC  
 TGCGCTGCTGTTGGGCGTGGTGTCTCGAGAGGAAGTGGATGTCGCCAAGGTGGAGTTGCTGTGTGCCAGC  
 AGTGTCTCACTGCCTTCTTGCAGCCTTTGCCCTGGGGTGTGATGGTCTGTATAGTGATTGGTGCTC  
 GAAAGCTCGGGTCAACCCAGACAACATTGCCACGCCATTGCAGCCAGCCTGGGAGACCTCATCACT  
 GTCCATTCGGCTTTGGTTAGCAGCTTCTTCTACAGACACAAAGATAGTCGGTATCTGACCCGCTGGTC  
 TGCCCTCAGCTTTGCGGCTCTGACCCAGTGTGGTCTCATTGCCAAGCAGAGCCACCCATCGTGAAGA  
 TCCTGAAGTTTGGCTGGTCCCAATCATCTGGCCATGGTCATCAGCAGTTTCGGAGGACTCATCTTGAG  
 CAAAACCGTTTCTAAACAGCAGTACAAAGGCATGGCGATATTTACCCCGTCATATGTGGTGTGGTGGC  
 AATCTGGTGGCCATTGAGACCAGCCGAATCTCAACCTACCTGCACATGTGGAGTGACCTGGCGTCTGC  
 CCCTCCAGATGAAGAAATCTGGCCCAACCCGTGTCTACTTTCTGCACGTCAGAAATCAATTCATGTC  
 AGCTCGAGTCTGCTCTTGCTGGTGGTCCCAGGCCATCTGATTTTCTTCTACATCATCTACCTGGTGGAG  
 GGTCAGTCAGTCATAAACAGCCAGACCTTTGTGGTGTCTACCTGCTGGCAGGCCGATCCAGGTGACAA  
 TCCTGCTGTACCTCGCAGAAGTATGGTTCGGCTGACTTGGCACCAGGCCCTGGATCCTGACAACCACTG  
 CATCCCTACCTTACAGGGCTGGGGACCTGCTCGGTAAGTGGCCCTCTGGCACTCTGCTTTTTCACTGAC  
 TGGCTACTGAAGAGCAAGGCAGAGCTGGTGGCATCTCAGAAGTGGCATCTGGACCTCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC228297 representing NM\_001164475  
Red=Cloning site Green=Tags(s)

MTLASRLSTAANTGQIDDPQEQHRVISSNLALIQVQATVVGLLAAVAALLLVVSVREEVDVAKVELLCAS  
 SVLTAFLAAFALGVLVCIVIGARKLGVNPDNIATPIAASLGDITLSILALVSSFFYRHKDSRYLTPLV  
 CLSFAALTPVWVLIAKQSPPIVKILKFGWFPIILAMVISSFGGLILSKTVSKQYKGM AIFTPVICGVGG  
 NLVAIQTSRISTYLHMWSAPGVLP LQMKKFWPNPCSTFCTSEINMSARVLLLLVVPGH L IFFYI IYLVE  
 GQSVINSQTFVVL YLLAGLIQVTILL YLA EVMVRLTWHQALDPDNHCIPYLTGLGDLLGTLLALCFFTD  
 WLLKSKAELGGISELASGPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8055\\_c09.zip](https://cdn.origene.com/chromatograms/mk8055_c09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001164475

**ORF Size:** 1110 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\\_001164475.2](#)

**RefSeq ORF:** 1113 bp

**Locus ID:** 54946

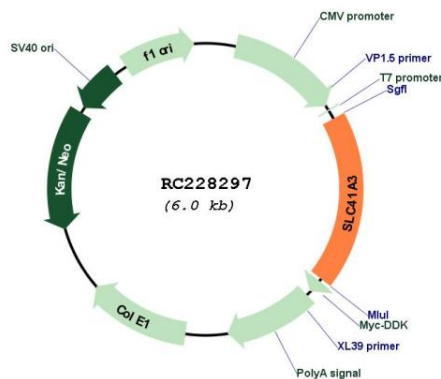
**UniProt ID:** [Q96GZ6](#)

**Cytogenetics:** 3q21.2-q21.3

**Protein Families:** Transmembrane

**MW:** 39.6 kDa

### Product images:



Circular map for RC228297