

## Product datasheet for **RC212881**

### SLC41A3 (NM\_001008487) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC41A3 (NM_001008487) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC212881 representing NM\_001008487  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGTCAACCAGCTGAATCTGGAGTTTGGCTTTCAGGGCAAGAAGCTGCGAGGCTTCAGCTGTGAGC  
 TTACCCGGTCCCCACATGGGGTCTTGCCTGAATCTTCTTACCACATCATGTGCCAGGTCGTGGTGCCCAT  
 TCTGCTGTCCGGCTTGTGCATGATGACGGCCGGCCTGGTATGAACACCATTCAACTGGCCTGTGTTT  
 GTGGAGGTGAAAGACCTTTGACATTGGTCCGCCCTGGTGGCCTGAAGGGGAACCTGGAGATGACAC  
 TGGCATCCAGACTCTCCACAGCTGCCAACACTGGACAAATTGATGACCCCAAGGAGCAGCACAGAGTCAT  
 CAGCAGCAACCTGGCCCTCATCCAGGTGCAGGCCACTGTCGTGGGGCTCTTGGCTGCTGTGGCTGCGCTG  
 CTGTTGGCGTGGTGTCTCGAGAGGAAGTGGATGTCGCCAAGGTGGAGTTGCTGTGTGCCAGCAGTGCC  
 TCACTGCCTTCTTGCAGCCTTGGCCCTGGGGTGTGATGGTCTGTATAGTGATTGGTGTCTGAAAGCT  
 CGGGGTCAACCCAGACAACATTGCCACGCCATTGCAGCCAGCCTGGGAGACCTCATCACTGTCCATT  
 CTGGCTTTGGTTAGCAGCTTCTTCTACAGACACAAAGATAGTCGGTATCTGACGCCGCTGGTCTGCCTCA  
 GCTTGGCGCTCTGACCCAGTGTGGGTCTCATTGCCAAGCAGAGCCACCCATCGTGAAGATCCTGAA  
 GTTTGGCTGGTCCCAATCATCCTGGCCATGGTATCAGCAGTTTCGGAGGACTCATCTTGGCAAAACC  
 GTTCTAAACAGCAGTACAAAGGCATGGCGATATTTACCCCGTCATATGGTGTGGTGGCAATCTGG  
 TGGCCATTAGACCAGCCGAATCTAACCTACCTGCACATGTGGAGTGCACCTGGCGTCTGCCCTCCA  
 GATGAAGAAATCTGGCCCAACCCGTGTCTACTTTCTGCACGTGAGAAATCAATCCATGTCAGCTCGA  
 GTCCTGCTTGTGGTGGTCCCAGGCCATCTGATTTCTTCTACATCATCTACCTGGTGGAGGGTCAGT  
 CAGTCATAAACAGCCAGACCTTTGGTGTCTACCTGCTGGCAGGCCTGATCCAGTGACAATCCTGCT  
 GTACCTGCAGAAAGTGTGGTTCGGCTGACTTGGCACCAGGCCCTGGATCCTGACAACCACTGCATCCCC  
 TACCTTACAGGGCTGGGGACCTGCTCGGTACTGGCTCTGGCACTCTGCTTTTCACTGACTGGCTAC  
 TGAAGAGCAAGGCAGAGCTGGTGGCATCTCAGAACTGGCATCTGGACCTCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC212881 representing NM\_001008487  
 Red=Cloning site Green=Tags(s)

MVVTQLNLEFCFQGKLRGFSCELTRSPHGVLPEFFITMCQVVVPILLSGLCMMTAGLVMNTIQHWPVF  
 VEVKDLLTLVPPLVGLKGNLEMTLASRLSTAANTGQIDDPQEQHRVLISSNLALIQVQATVGLLAAVAAL  
 LLGVVSREEVDVAKVELLCASSVLTAFLAALFALGVMVCIVIGARKLGVNPDNIATPIAASLDLITLSI  
 LALVSSFFYRHKDSRYLTPLVCLSFAALTPVWVLIKQSPPIVKILKFGWFPILAMVISSFGGLILSKT  
 VSKQQYKGM AIFTPVICGVGGNLVAIQTSRISTYLMHWSAPGVLPQMCKFWPNPCSTFCTSEINMSAR  
 VLLLLLVVPGHLIFFYIIYLVEGQSVINSQTFVVLVLLAGLIQVTILLYLAEMVRLTWHQALDPDNHCIP  
 YLTGLDGLLGTLLALCFDWDLLKSKAELGGISELASGPP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8061\\_e06.zip](https://cdn.origene.com/chromatograms/mk8061_e06.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001008487

**ORF Size:** 1383 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\\_001008487.1](#), [NP\\_001008487.1](#)

**RefSeq Size:** 2270 bp

**RefSeq ORF:** 1386 bp

**Locus ID:** 54946

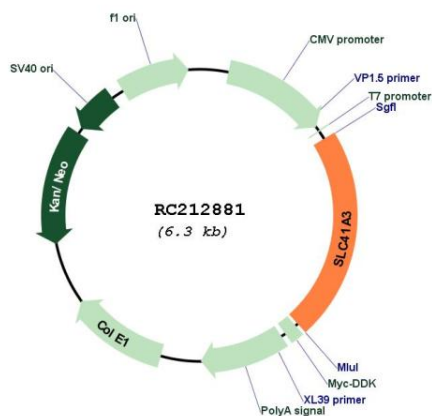
**UniProt ID:** [Q96GZ6](#)

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

Protein Families: Transmembrane

MW: 49.7 kDa

**Product images:**



Circular map for RC212881