

Product datasheet for **RG212881**

SLC41A3 (NM_001008487) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC41A3 (NM_001008487) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC41A3
Synonyms:	SLC41A1-L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG212881 representing NM_001008487
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGTCACCCAGCTGAATCTGGAGTTTGGCTTTCAGGGCAAGAAGCTGCGAGGCTTCAGCTGTGAGC
 TTACCCGGTCCCCACATGGGGTCTTGCCTGAATCTTCTTACCATCATGTGCCAGGTCGTGGTGCCCAT
 TCTGCTGTCCGGCTTGTGCATGATGACGGCCGGCCTGGTATGAACACCATTCAAACTGGCCTGTGTTT
 GTGGAGGTGAAAGACCTTTTGACATTGGTCCGCCCTGGTGGCCTGAAGGGGAACCTGGAGATGACAC
 TGGCATCCAGACTCTCCACAGCTGCCAACTGGACAAATTGATGACCCCAAGGAGCAGCACAGAGTCAT
 CAGCAGCAACCTGGCCCTCATCCAGGTGCAGGCCACTGTCGTGGGGCTCTGGCTGCTGTGGCTGCGCTG
 CTGTTGGGCGTGGTGTCTCGAGAGGAAGTGGATGTCGCCAAGGTGGAGTGTGTGTGCCAGCAGTGCC
 TCACTGCCTTCTTGCAGCCTTTGCCCTGGGGTGTGATGGTCTGTATAGTGATTGGTGTCTGAAAGCT
 CGGGGTCAACCCAGACAACATTGCCACGCCATTGCAGCCAGCCTGGGAGACCTCATCACTGTCCATT
 CTGGCTTTGGTTAGCAGCTTCTTCTACAGACACAAAGATAGTCGGTATCTGACCGCCTGGTCTGCCTCA
 GCTTGGCGCTCTGACCCAGTGTGGTCTCATTGCCAAGCAGAGCCACCCATCGTGAAGATCTGAA
 GTTTGGCTGGTCCCAATCATCCTGGCCATGGTATCAGCAGTTTCGGAGGACTCATCTTGGCAAAACC
 GTTCTAAACAGCAGTACAAAGGCATGGCGATATTTACCCCGTCATATGGTGTGGTGGCAATCTGG
 TGGCCATTCAGACCAGCCGAATCTCAACCTACCTGCACATGTGGAGTGCACCTGGCGTCTGCCCTCCA
 GATGAAGAAATCTGGCCCAACCCGTGTCTACTTTCTGCACGTGAGAAATCAATTCATGTCAGCTCGA
 GTCCTGCTTTGGTGGTGGTCCCAGGCCATCTGATTTTCTTCTACATCATCTACCTGGTGGAGGGTCAGT
 CAGTCATAAACAGCCAGACCTTTGTGGTGTCTACCTGCTGGCAGGCTGATCCAGGTGACAATCTCTGCT
 GTACCTCGCAGAAGTGTGGTTCGGCTGACTTGGCACCAGGCCCTGGATCCTGACAACCACTGCATCCCC
 TACCTTACAGGGCTGGGGACCTGCTCGGTACTGGCCTCTGGCACTCTGCTTTTCACTGACTGGCTAC
 TGAAGAGCAAGGCAGAGCTGGTGGCATCTCAGAACTGGCATCTGGACCTCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG212881 representing NM_001008487
 Red=Cloning site Green=Tags(s)

MVVTQLNLEFCFQGKLRGFSCELTRSPHGVLPEFFITMCQVVVPILLSGLCMMTAGLVMNTIQHWPVF
 VEVKDLLTLVPLVGLKGNLEMTLASRLSTAANTGQIDDPQEQHRVISSNLALIQVQATVVGLLAVAAL
 LLGVVSREEVDVAKVELLCASSVLAFLAAFALGVLVCIVIGARKLGVNPDNIATPIAASLGDITLSI
 LALVSSFFYRHKDSRYLTPLVCLSFAALTPVWVLIKQSPPIVKILKFGWFPIILAMVISSFGGLILSKT
 VSKQYKGMATFTPVICGVGGNLVAIQTSRISTYLHMWSAPGVLPLQMKKFWPNPCSTFCTSEINMSAR
 VLLLLVVPGLIFFYIIYLVGQSVINSQTFVLYLLAGLIQVTILLYLAEVMVRLTWHQALDPDNHCIP
 YLTGLGDLLGTGLLALCFDWDLLKSKAELGGISELASGPP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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

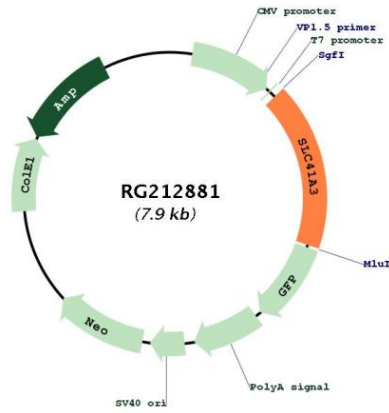
Locus ID: 54946

UniProt ID: [Q96GZ6](#)

Cytogenetics: 3q21.2-q21.3

Protein Families: Transmembrane

Product images:



Circular map for RG212881