

## Product datasheet for **RG221630**

### SLC41A3 (NM\_001008486) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC41A3 (NM_001008486) 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)



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**ORF Nucleotide Sequence:**

>RG221630 representing NM\_001008486  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGGGACAGAGACCCGGCAGCGGAGGCTGGACAGCTGTGGCAAGCCAGGGGAGCTGGGGCTTCTCT  
 ACCCCCTCAGCACAGGAGGACTCCCTGTAGCCTCAGAAGATGGAGCTCTCAGGGCCCTGAGAGCCAAAG  
 CGTGACCCCAAGCCACTGGAGACTGAGCCTAGCAGGGAGACCGCTGGTCCATAGGCCCTTCAGGTGACC  
 GTGCCCTTCATGTTTGCAGGCCTGGGACTGTCTGGGCCGGCATGCTTCTGGACTATTTCCAGGCCAACA  
 CTGGACAAATTGATGACCCCAAGGAGCAGCACAGATCATCAGCAGCAACCTGGCCCTCATCCAGGTGCA  
 GGCCACTGTCGTGGGGCTCTGGCTGCTGGCTGCGCTGCTGTTGGCGTGGTGTCTCGAGAGGAAGTG  
 GATGTCGCCAAGGTGGAGTTGCTGTGTGCCAGCAGTGCCTCACTGCCTTCTTGCAGCCTTTGCCCTGG  
 GGGTGTGATGGTCTGTATAGTATTGGTGTCTGAAAGCTCGGGGTCAACCCAGACAACATTGCCACGCC  
 CATTGCAGCCAGCCTGGGAGACCTCATCACTGTCCATTCTGGCTTTGGTTAGCAGCTTCTTCTACAGA  
 CACAAAGATAGTCGGTATCTGACGCCGCTGGTCTGCCTCAGCTTTGCGGCTCTGACCCAGTGTGGGTCC  
 TCATTGCCAAGCAGAGCCACCCATCGTGAAGATCCTGAAGTTTGGCTGGTTCCCAATCATCCTGGCCAT  
 GGTTCATCAGCAGTTTCGGAGGACTCATCTTGAGCAAAACCGTTTCTAAACAGCAGTACAAAGGCATGGCG  
 ATATTTACCCCGTCATATGTGGTGTGGTGGCAATCTGGTGGCCATTACAGACCAGCCGAATCTCAACCT  
 ACCTGCACATGTGGAGTGCACCTGGCGTCTGCCCTCCAGATGAAGAAATCTGGCCCAACCCGTGTTCT  
 TACTTTCTGCACGTCAGAAATCAATTCATGTCAGCTCGAGTCTGCTCTTGCTGGTGGTCCCAGGCCAT  
 CTGATTTTCTTCTACATCATCTACCTGGTGGAGGGTCAGTCAGTCATAAAGCAGCCAGACCTTTGTGGTGC  
 TCTACCTGCTGGCAGCCCTGATCCAGGTGACAATCCTGCTGTACCTCGCAGAAGTGTGGTTCGGGTGAC  
 TTGGCACCAGGCCCTGGATCCTGACAACCACTGCATCCCCTACCTTACAGGGCTGGGGGACCTGCTCGGT  
 TCAAGCTCCGTGGGCCACACTGTGCTGTGCCAAGAAGGTGTACAGCCTCCCAGGATGGGGCTCATA  
 AACCCCTCATCTGCACTCAACATTTAATCGTGTCTTGTCTTTTTATTTTCTTTTTGTTTGTAGC  
 AAAAACCTCTATT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG221630 representing NM\_001008486  
 Red=Cloning site Green=Tags(s)

MDGTETRQRRLDSCGKPGELGLPHPLSTGGLPVASEDGALRAPESQSVTPKPLETEPSRETAWSIGLQVT  
 VPFMFAGLGLSWAGMLLDYFQANTGQIDDPQEQHRVISSNLALIQVQATVVGLLAAVAALLLVVSREEV  
 DVAKVELLCASSVLTAFLAALFALGVLVVCIVIGARKLGVNPDNIATPIAASLGDITLSILALVSSFFYR  
 HKDSRYLTPLVCLSFAALTPVWVLIKQSPPIVILKFGWFPILAMVISSFGGLILSKTVSKQYKGM  
 IFTPVICVGGNLVAIQTSRISTYLHMWSAPVLPQMKKFWPNPCSTFCTSEINMSARVLLLLLVVPGH  
 LIFFYIIYLVVEGQSVINSQTFVVLVLLAGLIQVTILLYLAEMVRLTWHQALDPDNHCIPYLTGLGDL  
 LSSVGHAAVPRRCTASPGWGLIQPFICTQHLIVSLLSFYFPFCLLAKTSI

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001008486

ORF Size: 1413 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\\_001008486.1](#), [NP\\_001008486.1](#)

RefSeq Size: 1698 bp

RefSeq ORF: 1416 bp

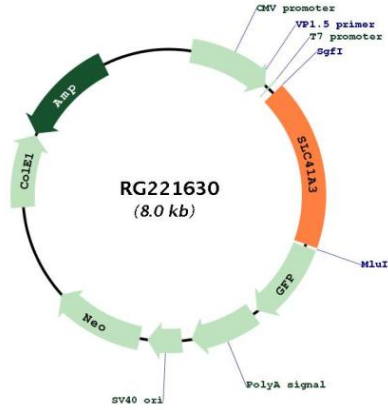
Locus ID: 54946

UniProt ID: [Q96GZ6](#)

Cytogenetics: 3q21.2-q21.3

Protein Families: Transmembrane

**Product images:**



Circular map for RG221630