

## Product datasheet for **RC238535**

### SLC43A3 (NM\_001278201) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC43A3 (NM_001278201) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC43A3
Synonyms:	EEG1; ENBT1; FOAP-13; PRO1659; SEEEG-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238535 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGGCCAGGGCCTGCCCTGCACGTGGCCACACTGCTGACTGGGCTGCTGGAATGCCTGGGCTTTG  
 CTGGCGTCTCTTTGGCTGGCCTTCACTAGTGTGGTCTTCAAGAATGAAGATTACTTTAAGGATCTGTG  
 TGGACCAGATGCTGGCCGATTGCAATGCCACAGGGCAGGCTGACTGCAAAGCCAGGATGAGAGGTTT  
 TCACTCATCTTACCCTGGGGTCTTTCATGAACAACCTCATGACATTCCTCCACTGGCTACATCTTTGACC  
 GGTTCAGACCACCGTGGCAGCCTCATAGCCATATTTTTCTACACCACCGCCACACTCATCATAGCCTT  
 CACCTCTGCAAGGCTCAGCCGTGCTGCTTCTGGCCATGCCAATGCTCACCATTGGGGGAATCTGTGTT  
 CTCATCACCACCTGCAGATTGGGAACCTATTTGGCCAACACCGTTCGACCATCATCACTCTGTACAATG  
 GAGCATTTGACTTCTCGGCAGTCTTCTTATTATTAAGCTTCTTTATGAAAAAGGCATCAGCCTCAG  
 GGCTCTTTCATCTTCTGTCTGAGTACCTGGCATGTAGCACGCACTTCTCTCTGATGCCCGG  
 GGGCAGATCCCATACCCACTGCCCCCAACTACAGCTATGGCCTGTGCCCTGGGAATGGCACCACAAAGG  
 AAGAGAAGGAAACAGCTGAGCATGAAAACAGGGAGCTACAGTCAAAGGAGTTCCTTTTCAGCGAAGGAAGA  
 GACCCAGGGGCAGGGCAGAAGCAGGAACCTCCGCTCCTTCTGGAGCTACGCTTTCTCTCGGCGCTTTGCC  
 TGGCACCTGGTGTGGCTGTCTGTGATACAGTTGTGGCACTACCTTTCATTGGCACTCTCAACTCCTTGC  
 TGACCAACATGGCCGGTGGGGACATGGCAGGAGTCAACACCTACACAAATGCCTTTGCCCTTCACTCAGTT  
 CGGAGTGTGTGCCCCCTGGAATGGCCTGCTCATGGACCGCTTAAACAGAAGTACCAGAAGGAAGCA  
 AGAAAGACAGGTTCCCTCACTTTGGCGGTGGCCCTCTGCTCGACGGTGCCTTCGCTGGCCCTGACATCCC  
 TGCTGTGCCTGGCTTCGCCCTCTGTGCCTCAGTCCCCATCCTCCCTCCTCAGTACCTCACCTTCCCTTCA  
 GCAAGTATCAGCCGCTCCTTCTCTATGGGAGCAACGCGGCTTCTCACCCTTGTCTTCCCTTCAAGAG  
 CACTTTGGCAAGCTCTTTGGGCTGGTGTGATGGCCTTGTGCGCTGTGGTGTCTCTGCTCCAGTTCCCATCT  
 TCACCCTCATCAAAGGCTCCCTTCAAGATGACCCATTTACGTGAATGTGATGTTGATGCTTGCATTCT  
 TCTGACATTCTTCCACCCTTTCTGGTATATCGGGAATGCCGTACTTGAAAGAAAGTCCCTCTGCAATT  
 GCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238535 protein sequence  
 Red=Cloning site Green=Tags(s)

MAGQGLPLHVATLLTGLLECLGFAGVLFGWPSLVFVFKNEDYFKDLCPDAGPIGNATGQADCKAQDERF  
 SLIFTLGSFMNFMFTPTGYIFDRFKTTVARLIAIFFYTTATLIIAFTSAGSAVLLFLAMPMLTIGGILF  
 LITNLQIGNLFGQHRSTIITLYNGAFDSSAVFLI IKLLYEKGISLRASFIFISVCSTWHVARTFLLMPR  
 GHIPYPLPPNYSYGLCPGNGTTKEEKETAHEHENRELQSKEFLSAKEETPGAGQKQELRSFWSYAFSRRFA  
 WHLVWLSVIQLWHYLFIGTLNSLLTNMAGGDMARVSTYTNAFAFTQFGVLCAPWNGLLMDRLKQKYQKEA  
 RKTGSSTLAVALCSTVPSLALTSLLCLGFALCASVPILPLQYLTFLQVISRSFLYGSNA AFLTLAFPSE  
 HFGKLFGLVMALSAVVSLLQFPIFTLIKGLQNDPFYVNVMFMLAILLTFFHPFLVYRECRTWKESPSAI  
 A

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6395\\_e01.zip](https://cdn.origene.com/chromatograms/mk6395_e01.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001278201

ORF Size: 1473 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\\_001278201.2](#)

RefSeq Size: 2822 bp

RefSeq ORF: 1476 bp

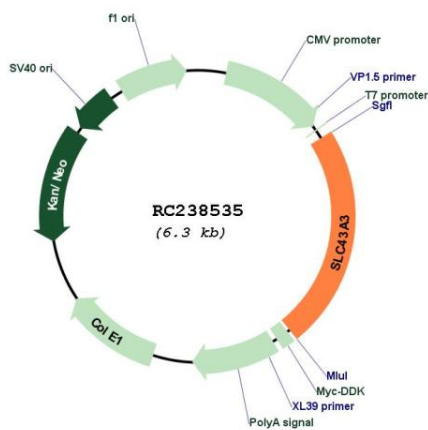
Locus ID: 29015

UniProt ID: [Q8NBI5](#)

Cytogenetics: 11q12.1

Protein Families: Transmembrane  
 MW: 54.5 kDa  
 Gene Summary: Putative transporter.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC238535