

## Product datasheet for RC213978

### SLC4A3 (NM\_005070) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC4A3 (NM_005070) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC4A3
Synonyms:	AE3; CAE3/BAE3; SLC2C
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213978 representing NM_005070 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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AGGCCACGGTTGTGCTTGTGGGTTGTGTGCCTTCTTGGAGCAGCCTGCAGCAGCCTTCGTGCGTCTGAA  
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Protein Sequence: >RC213978 representing NM\_005070  
 Red=Cloning site Green=Tags(s)

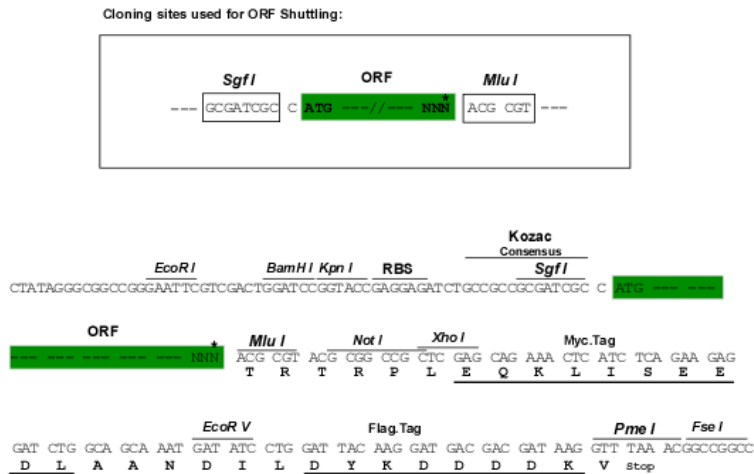
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 VRSVTHVNALVMRTAIAPGDKPQIQEVREQRVTGVLIASLVGLSIVMGAVLRRIPLAVLFGIFLYMGVT  
 SLSGIQLSQRLLILMPAKHHPEQPVTVKVKTWRMHLFTCIQLGCIALLWVKSTAASLAFPFLLLLTVP  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

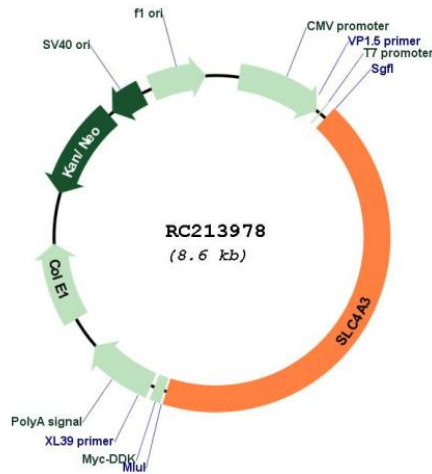
Sgfl-MluI

Cloning Scheme:



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

## Plasmid Map:



ACCN: NM\_005070

ORF Size: 3696 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\\_005070.3](#), [NP\\_005061.2](#)

RefSeq Size: 4234 bp

RefSeq ORF: 3699 bp

Locus ID: 6508

UniProt ID: [P48751](#)

Cytogenetics: 2q35

**Protein Families:** Transmembrane

**MW:** 135.8 kDa

**Gene Summary:** The protein encoded by this gene is a plasma membrane anion exchange protein. The encoded protein has been found in brain, heart, kidney, small intestine, and lung. [provided by RefSeq, May 2016]