

Product datasheet for **SC332683**

SLC4A7 (NM_001258380) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC4A7 (NM_001258380) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC4A7
Synonyms:	NBC2; NBC3; NBCN1; SBC2; SLC4A6
Vector:	pCMV6-Entry (PS100001)



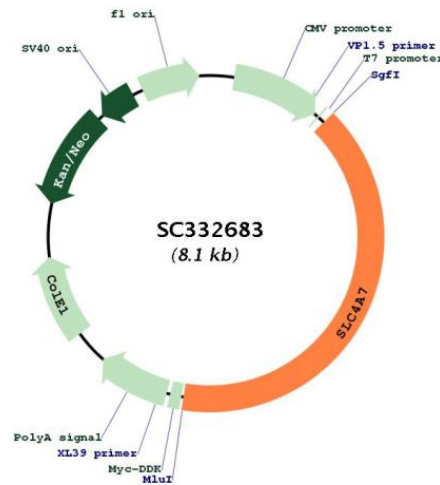
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Fully Sequenced ORF: >SC332683 representing NM_001258380.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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 AAGGCCCTAAAATATAGTCTGATAAACCTGTGAGTGTGAAAATAAGTTTTGAAGATGAACCAAGAAAG
 AAATACGTGGATGCTGAAACTTCATTA TAG

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001258380

Insert Size: 3273 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001258380.1](#)

RefSeq Size: 7395 bp

RefSeq ORF: 3273 bp

Locus ID: 9497

UniProt ID: [Q9Y6M7](#)

Cytogenetics: 3p24.1

Protein Families: Druggable Genome, Transmembrane

MW: 123.1 kDa

Gene Summary: This locus encodes a sodium bicarbonate cotransporter. The encoded transmembrane protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus considered an electroneutral cotransporter. The encoded protein likely plays a critical role in regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Apr 2012]
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform c), compared to isoform a.