

Product datasheet for **SC330680**

SLC4A8 (NM_001258403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC4A8 (NM_001258403) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC4A8
Synonyms:	NBC3; NDCBE
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC330680 representing NM_001258403.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGCTTGGCCGGCAGAGCCATCGGCATCACCGCACTCATGGCCAGAAGCACCGGAGACGAGGGCGG
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CCTCGGCTCCCAAAATGCTGGGATTACAAGCATGA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001258403

Insert Size: 2244 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:	<u>NM_001258403.1</u>
RefSeq Size:	3131 bp
RefSeq ORF:	2244 bp
Locus ID:	9498
UniProt ID:	<u>Q2Y0W8</u>
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome, Transmembrane
MW:	84 kDa
Gene Summary:	The protein encoded by this gene is a membrane protein that functions to transport sodium and bicarbonate ions across the cell membrane. The encoded protein is important for pH regulation in neurons. The activity of this protein can be inhibited by 4,4'-Di-isothiocyanatostilbene-2,2'-disulfonic acid (DIDS). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012] Transcript Variant: This variant (5) differs in the 5' and 3' UTRs and coding sequences compared to variant 1. The resulting isoform (e) is shorter at the N-terminus and has a shorter and distinct C-terminus compared to isoform a.