

Product datasheet for **SC307555**

SLC9C1 (NM_183061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9C1 (NM_183061) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC9C1
Synonyms:	NHE; NHE-10; SLC9A10; sperm-NHE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-MluI
ACCN:	NM_183061
Insert Size:	3534 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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.


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Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_183061.2</u>
RefSeq Size:	4169 bp
RefSeq ORF:	3534 bp
Locus ID:	285335
UniProt ID:	<u>Q4G0N8</u>
Cytogenetics:	3q13.2
Protein Families:	Transmembrane
MW:	135.2 kDa
Gene Summary:	<p>SLC9A10 is a member of the sodium-hydrogen exchanger (NHE) family (see SLC9A1, MIM 107310) and is required for male fertility and sperm motility (Wang et al., 2003 [PubMed 14634667]).[supplied by OMIM, Apr 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>