

Product datasheet for **SC309797**

SLC9A8 (NM_015266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC9A8
Synonyms:	NHE-8; NHE8
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:	>OriGene sequence for NM_015266 edited <pre> TCCGAACCTCGGTGGTCTGGAAGCTCCGCAGGATGGGGGAGAAGATGGCGGAAGAGGAGA GGTCCCCCAATAACAACATCATGAGGGTTTCAATGTCACCCTCCACACCACCCTGGTTGTCA CGACGAAACTGGTGTCCCGACCCCTGGCAAGCCCATCTCCCGTGCAGACAGGGGAGC AGGCCAGCAAGAGGAGCAGTCCAGCGGCATGACCATTTTCTTACGCTCCTTGTCTAG CTATCTGCATCATATTGGTGCATTTACTGATCCGATACAGATTACATTTCTTGCAGAGA GTGTTGCTGTTGTTTCTTTAGGTATTCTCATGGGAGCAGTTATAAAATTATAGAGTTTA AAAACTGGCGAATTGGAAGGAAGAAGAAATGTTTCGTCCAACATGTTTTCTCCTCCTCC TGCTTCCCCCTATTATCTTTGAGTCTGGATATTACACAAAGGGTAACCTCTTTCAA ATATTGGTTCCATCACCCTGTTTGTGTTTTGGGACGGCAATCTCCGCTTTGTAGTAG GTGGAGGAATTTATTTCTGGGTGAGGCTGATGAATCTCTAACTCAACATGACAGACA GTTTTGCGTTTGGCTCCCTAATATCTGCTGTCGATCCAGTGGCCACTATTGCCATTTTCA ATGCACTTCATGTGGACCCGTGCTCAACATGCTGGTCTTTGGAGAAAGTATTCTCAACG ATGCAGTCTCCATTGTTCTGACCAACACAGCTGAAGGTTTAAACAAGAAAAATATGTCAG ATGTCAGTGGGTGGCAACATTTTACAAGCCCTTGACTACTTCTCAAATGTTCTTTG GCTCTGCAGCGCTCGGCACTCTCACTGGCTTAATTTCTGCATTAGTGTGAAGCATATTG ACTTGAGGAAAACGCTTCTTGGAGTTTGGCATGATGATCATTTTTGCTTATCTGCCTT ATGGGCTTGCAGAAGGAATCTCACTCTCAGGCATCATGGCCATCCTGTTCTCAGGCATCG TGATGTCCCACTACACGCACCATAACCTCTCCCAGTCACCCAGATCCTCATGCAGCAGA CCCTCCGCACCGTGGCCTTCTTATGTGAAACATGTGTGTTTGCATTTCTTGGCCTGTCCA TTTTAGTTTTCTCACAAGTTTGAATTTCTTTGTCATCTGGTGCATAGTGTGTAC TATTTGGCAGAGCGGTAACATTTTCCCTCTTCTACCTCCTGAATTTCTTCCGGGATC ATAAAATCACACCGAAGATGATGTTTCATCATGTGGTTAGTGGCTGCGGGGAGCCATCC CCTATGCCCTGAGCCTACACCTGGACCTGGAGCCATGGAGAAGCGGCAGCTCATCGGCA CCACCACCATCGTCATCGTGCTCTTACCATCCTGCTGCTGGGCGGCAGCACCATGCCCC TCATTGCTCTCATGGACATCGAGGACGCCAAGGCACACCGCAGGAACAAGAAGGACGTCA ACCTCAGCAAGACTGAGAAGATGGGCAACACTGTGGAGTCGGAGCACCTGTGCGAGCTCA CGGAGGAGGAGTACGAGGCCCACTACATCAGGCGGCAGGACCTTAAGGGCTTCGTGTGGC TGGACGCCAAGTACCTGAACCCCTTCTTCACTCGGAGGCTGACGCAGGAGGACCTGCACC ACGGGCGCATCCAGATGAAAACCTCACCAACAAGTGGTACGAGGAGGTACGCCAGGGCC CCTCCGGCTCCGAGGACGACGAGCAGGAGCTGCTGACGCCAGGTGCCAAGGCTTCAGG CAGGCAGGCCCAGGATGGGCGTTTGTGCGCACAGACACTCAGCAGGGGCTCGCAGAGA T </pre>
Restriction Sites:	Please inquire
ACCN:	NM_015266
Insert Size:	2000 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_015266.1.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015266.1, NP_056081.1</u>
RefSeq Size:	6255 bp
RefSeq ORF:	1746 bp
Locus ID:	23315
UniProt ID:	<u>Q9Y2E8</u>
Cytogenetics:	20q13.13
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Sodium-hydrogen exchangers (NHEs), such as SLC9A8, are integral transmembrane proteins that exchange extracellular Na⁺ for intracellular H⁺. NHEs have multiple functions, including intracellular pH homeostasis, cell volume regulation, and electroneutral NaCl absorption in epithelia (Xu et al., 2008 [PubMed 18209477]).[supplied by OMIM, Apr 2009] Transcript Variant: This variant (2) uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.