

Product datasheet for **SC306129**

NHEDC1 (SLC9B1) (NM_139173) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NHEDC1 (SLC9B1) (NM_139173) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC9B1
Synonyms:	NHA1; NHEDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC306129 representing NM_139173.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATACCACAGAATCAAAAAATGAACATTTGGAGGATGAAAACCTCCAACATCTACAACCTCCTCAG
AGTCTCATTGATCCTAATAATACTGCACATGAAGAACTAAAACGTCTTATCAGATACAGAAGAAATA
AAACCACAGACAAAAAGGAGACATACATTTCTTGCTCTAAGAGGAGTATTGAATGTAATTATTACA
AATGGAGTTATACTGTTTGTGATATGGTGTATGACCTGGTCAATCTTAGCTCTGAAGCTCTCCCTGGT
GGAAATTTATTTGGGTTGTTTATTATTTTTATAGTGCCATTATTGGGGAAAAATTTTACAACCTCATT
AGAATACCTTTAGTGCCTCCACTCCACCTCTTCTGGGATGTTACTGGCTGGTTTTACGATTAGGAAT
GTTCCATTCAATGAACATGTCCATGTTCTAACACATGGTCTTCAATTTTAAGAAGCATTGCCCTT
ACCATTATTCTAATAAGAGCTGGCTGGACTCGATCCACAGGCTTTGAGGCATTTGAAGTCGTTTGT
TTCAGATTGGCTGTAGGTCATGCCTTATGGAGGCAAGTGCAGCTGCTGTTTTTTCACACTTCATTATG
AAATTTCCCTGGCAATGGCATTCTATTAGGTTTTGTTCTAGGTGCTGTCTCTCTGCTGTTGTTGTC
CCTTACATGATGGTGCTGCAAGAAAATGGATATGGTGTGAGGAAGGCATTCCAACCTTATTAATGGCT
GCTAGCAGTATGGATGACATTCTGGCTATCACTGGATTCAATACATGCTTGAAGCAGTCTTTTCTCA
GGTGGTATACTTAATAACGCCATAGCCTCTATAAGGAACGTATGTATTAGTCTGCTGGCAGGAATTGTT
TTGGGATTTTTGTTTCGATTTTTCCAAGTGAAGACCAGAAAAAATTTACATTGAAGAGAGGATTCCTT
GTTTTGACTATGTGTGTTTCTGCCGCTTAGGCAGCCAACGTATTGGTTTACATGGATCTGGAGGATTA
TGCACACTAGTGTGAGTTTCATTGCAGGGACAAAATGGTCCCAAGAAAAGATGAAAGTCCAAAAGATT
ATTACGACTGTATGGGATTTTTCAACCACCTCTTTTTGGTTTTAGTTGGAGCAGAAGTATCTGTTTCA
TCGCTTGAATCAAATATTGTTGGCATATCTGTTGCCACTCTAAGTTTGGCATTATGTGTTTCAATTTTA
ACCACATATCTATTGATGTGCTTTGCTGGTTTTAGTTTTAAGGAGAAAATTTTATTGCTTTAGCATGG
ATGCCCAAAGCTACAGTACAGGCTGTGTTAGTCTCTGGCTCTAGAAACAGCAAGAGTCTCCGACCC
CACTTGAACCATATGCGAAGGATGTGATGACAGTAGCATTTTTTAGCCATCTTGATCACAGCTCCAAAT
GGAGCTCTACTTATGGGCATTCTGGGCCTAAAATGCTTACACGCCATTATGATCCAAGCAAAAATAAAA
CTGCAGTTGTCAACATTAGAACATCATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_139173
- Insert Size:** 1548 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:

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_139173.3](#)

RefSeq Size: 1879 bp

RefSeq ORF: 1548 bp

Locus ID: 150159

UniProt ID: [Q4ZJI4](#)

Cytogenetics: 4q24

Protein Families: Druggable Genome, Transmembrane

MW: 56.1 kDa

Gene Summary: The protein encoded by this gene is a sodium/hydrogen exchanger and transmembrane protein. Highly conserved orthologs of this gene have been found in other mammalian species. The expression of this gene may be limited to testis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).