

Product datasheet for **SC316759**

NHEDC1 (SLC9B1) (NM_001100874) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NHEDC1 (SLC9B1) (NM_001100874) Human Untagged Clone
Tag:	Tag Free
Symbol:	NHEDC1
Synonyms:	NHA1; NHEDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316759 representing NM_001100874.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATACCACAGAATCAAAAAATGAACATTTGGAGGATGAAAACCTCCAACATCTACAACCTCCTCAG
AGTCTCATTGATCCTAATAATACTGCACATGAAGAACTAAAACGTCTTATCAGATACAGAAGAAATA
AAACCACAGACAAAAAGGAGACATACATTTCTTGTCTTAAGAGGAGTATTGAATGTAATTATTACA
AATGGAGTTATACTGTTTGTGATATGGTGTATGACCTGGTCAATCTTAGCTCTGAAGCTCTCCCTGGT
GGAATTTATTTGGGTTGTTTATTATTTTTATAGTGCCATTATTGGGGAAAAATTTTACAACCTCATT
AGAATACCTTTAGTGCCTCCACTCCACCTCTTCTGGGATGTTACTGGCTGGTTTTACGATTAGGAAT
GTTCCATTCAATGAACATGTCCATGTTCTAACACATGGTCTTCAATTTTAAGAAGCATTGCCCTT
ACCATTATTCTAATAAGAGCTGGGCTTGGACTCGATCCACAGGCTTTGAGGCATTTGAAGTCGTTTGT
TTCAGATTGGCTGTAGGTCATGCCTTATGGAGGCAAGTGCAGCTGCTGTTTTTTCACACTTCATTATG
AAATTTCCCTGGCAATGGCATTCTATTAGGTTTTGTTCTAGGTGCTGTCTCTCCTGCTGTTGTTGTC
CCTTACATGATGGTGCTGCAAGAAAATGGATATGGTGTTGAGGAAGGCATTCCAACCTTATTAATGGCT
GCTAGCAGTATGGATGACATTCTGGCTATCACTGGATTCAATACATGCTTGAAGCATAGTCTTTCTCA
GGTGGTATACTTAATAACGCCATAGCCTCTATAAGGAACGTATGTATTAGTCTGCTGGCAGGAATTGTT
TTGGGATTTTTGTTTCGATTTTTCCAAGTGAAGACCAGAAAAAATTACATTGAAGAGAGGATTCCTT
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TGCACACTAGTGTGAGTTTCAATGCAGGGACAAAATGGTCCCAAGAAAAGATGAAAGTCCAAAAGATT
ATTACGACTGTATGGGATTTTTCAACCACTTCTTTTTGGTTTTAGTTGGAGCAGAAGTATCTGTTTCA
TCGCTTGAATCAAATATTGTTGGCATATCTGTTGCCACTCTAAGTTTGGCATTATGTGTTGCAATTTTA
ACCACATCTATTGATGTGCTTTGCTGGTTTTAGTTTTAAGGAGAAAATATTTATTGCTTTAGCATGG
ATGCCAAAGCTACAGTACAGATTAATCAAGCTATCCTTCTGTTGTTTCTTCTCGGAGGAATGGACG
AACTGCAAGGTAGCCAAGAAGTGCAGTACACCAAGGAAAGGCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001100874

Insert Size: 1428 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_001100874.2](#)

RefSeq Size: 1755 bp

RefSeq ORF: 1428 bp

Locus ID: 150159

UniProt ID: [Q4ZJI4](#)

Cytogenetics: 4q24

Protein Families: Druggable Genome, Transmembrane

MW: 52.2 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 (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus compared to 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.