

## Product datasheet for **SC330268**

### SLC9A3R2 (NM\_001252073) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC9A3R2 (NM\_001252073) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SLC9A3R2  
**Synonyms:** E3KARP; NHE3RF2; NHERF-2; NHERF2; OCTS2; SIP-1; SIP1; TKA-1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330268 representing NM\_001252073.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

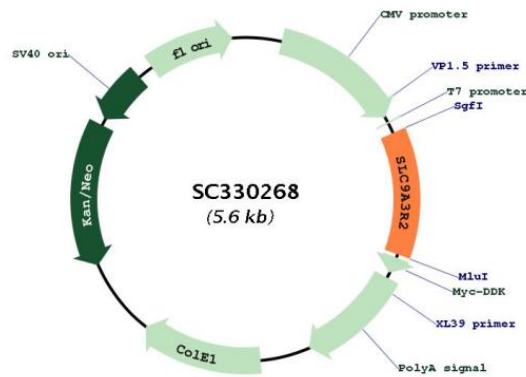
```
ATGGCACGCTCCGGGAGTGCCACGCCACCTGCCGGGCTCCGGGAGCCCTCCACGGAGCCACCCAG
AGGCTGGTACAGGATGTCAAGTGGCCCTGAGGGAGCTGCGCCCTCGGCTCTGCCACCTGCGAAAGGGA
CCTCAGGGCTATGGGTTCAACCTGCATAGTGACAAGTCCCGGCCCGCCAGTACATCCGCTCTGTGGAC
CCGGGCTCACCTGCCGCCGCTCTGGCCTCCGCGCCAGGACCGGCTCATTGAGGTGAACGGGCAGAAT
GTGGAGGACTGCGCCATGCTGAGGTGGTGGCCAGCATCAAGGCACGGGAGGACGAGGCCCGGCTGCTG
GTCGTGGACCCCGAGACAGATGAACACTTCAAGCGGCTTCGGGTACACCCACCGAGGAGCAGTGGAA
GGTCTCTGCCGTACCCGTACCAATGGAACAGCCCTGCCAGCTCAATGGTGGCTCTGCGTGCCTCG
TCCCGAAGTGACCTGCCTGGTTCGACAAAGGACTGAGGATGGCAGTGCCTGGAAGCAAGATCCCTTC
CAGGAGAGCGGCCTCCACCTGAGCCCGGCGGCGGAGGCAAGGAGAAGGCTCGAGCCATGCGAGTC
ACAAGCGCGGCCACAGATGGACTGGAACAGGAAGCGTGAATCTTCAGCAACTCTGA
```

**Restriction Sites:** SgfI-MluI



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Plasmid Map:



ACCN: NM\_001252073

Insert Size: 681 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:** [NM\\_001252073.1](#)

**RefSeq Size:** 1811 bp

**RefSeq ORF:** 681 bp

**Locus ID:** 9351

**UniProt ID:** [Q15599](#)

**Cytogenetics:** 16p13.3

**Protein Families:** Druggable Genome

**MW:** 24.7 kDa

**Gene Summary:** This gene encodes a member of the NHERF family of PDZ scaffolding proteins. These proteins mediate many cellular processes by binding to and regulating the membrane expression and protein-protein interactions of membrane receptors and transport proteins. The encoded protein plays a role in intestinal sodium absorption by regulating the activity of the sodium/hydrogen exchanger 3, and may also regulate the cystic fibrosis transmembrane regulator (CFTR) ion channel. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

**Transcript Variant:** This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (c) is shorter and has a distinct N-terminus, compared to isoform a.

**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.