

Product datasheet for **SC117144**

SLC9A3R2 (NM_004785) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A3R2 (NM_004785) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC9A3R2
Synonyms:	E3KARP; NHE3RF2; NHERF-2; NHERF2; OCTS2; SIP-1; SIP1; TKA-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004785 edited
 CCACCGCCGGGTGCCAGCGCCGCCCGCCCCGAGCTCCCCCGCGCCCTGCCCGCGG
 GCGGCCGGTGGCAGCGGGCCCATGGCCGCGCCGGAGCCCTGCGGCCGCGCCTGTGCC
 GCTTGGTGCGCGAGAGCAGGGCTACGGCTTCCACCTGCACGGCAGAAGGGCCGCCGCG
 GGCAGTTCATCCGGCGCGTGAACCCGGTTCGCCCGCCGAGGCCGCCGCGCTGCGCGCTG
 GGGACCGCTGGTCAAGGTCAACGGCGTCAACGTGGAGGGCAGACGCACCACAGGTGG
 TGCAAAGGATCAAGGCTGTGGAGGGCAGACTCGGCTGCTGGTGGTGGACCAGGAGACAG
 ATGAGGAGCTCCGCCGGCGCAGCTGACCTGTACCGAGGAGATGGCCAGCGAGGGCTCC
 CACCCGCCACGACCCCTGGGAGCCGAAGCCAGACTGGGCACACCCGGCAGCCACAGCT
 CCGAAGCTGGCAAGAAGGATGTCAGTGGGCCCTGAGGGAGCTGCGCCCTCGGCTCTGCC
 ACCTGCGAAAGGGACCTCAGGGCTATGGGTTCAACCTGCATAGTGACAAGTCCCGCCCCG
 GCCAGTACATCCGCTCTGTGGACCCGGGCTCACCTGCCGCCCGCTCTGGCCTCCGCGCCC
 AGGACCGGCTCATTGAGGTGAACGGCAGAATGTGGAGGGACTGCGCCATGCTGAGGTGG
 TGGCCAGCATCAAGGCACGGGAGGACGAGGCCCGGCTGCTGGTCTGGACCCCGAGACAG
 ATGAACACTTCAAGCGGCTTCGGGTACACCCACCGAGGAGCAGCTGGAAGGTCTCTGC
 CGTACCCGTCACCAATGGAACCAGCCCTGCCAGCTCAATGGTGGCTCTGCGTGTCTGT
 CCCGAAGTGACCTGCCTGGTCCGACAAGGACACTGAGGAGAGCGGCCTCCACCTGAGCC
 CCACGGCGGCCGAGGCCAAGGAGAAGGCTCGAGCCATGCGAGTCAACAAGCGCGGCCAC
 AGATGGACTGGAACAGGAAGCGTAAAATCTTCAGCAACTTCTGAGCCCCCTCCTGCTGT
 CTCGGGACCCTGGGACCCCTCCCGCACGGACCTTGGGCCTCAGCCTGCCCGAGCTCCCC
 CAGCCTCAGTGGACTGGAGGGTGGTCTGCCATTGCCAGAAATCAGCCCCAGCCCCGGT
 GAGCCCCATCCTGCCCTGCCACCAGGTAAGGGGCTGTGGCAGCAAGATAGGGGG
 AGAGAGACCCAGAGATGTGAGAGAGAGTCAAGACAGAGACAGAGAGAGAGAGAGAGA
 CACAGAGAGACAGAGAGAGAGCGAGCGAGCGCGCCAGCCGCGGGGCGAGGGCCTTT
 GCTGCTGTCGCGGGCCTGCTGACTGAAAGGAATTTGTGTTTTTGTCTTTTTTCCAAAAA
 GATCTCCAGCTCCACACATGTTTCCACTTAATACCAGAGACCCCCCCTTCCCCCTCCC
 CTTGGGACGCGCTCTAAATAATTGCAATAAAACAACCTTCTCTGCAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_004785
Insert Size:	1600 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:	<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.
RefSeq:	<u>NM_004785.3</u> , <u>NP_004776.3</u>
RefSeq Size:	1578 bp
RefSeq ORF:	981 bp
Locus ID:	9351
UniProt ID:	<u>Q15599</u>
Cytogenetics:	16p13.3
Domains:	PDZ
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (b) is shorter than 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.</p>