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Product datasheet for SC322985

SLC9A3R2 (NM_001130012) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A3R2 (NM_001130012) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC9A3R2
Synonyms:	E3KARP; NHE3RF2; NHERF-2; NHERF2; OCTS2; SIP-1; SIP1; TKA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322985 representing NM_001130012. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCCGCGCCGGAGCCGCTGCGGCCGCGCCTGTGCCGCTTGGTGCGCGGAGAGCAGGGCTACGGCTTC CACCTGCACGGCGAGAAGGGCCGCCGCGGGCAGTTCATCCGGCGCGTGGAACCCGGTTCCCCCGCCGAG GCCGCCGCGCTGCGCGCTGGGGACCGCCTGGTCGAGGTCAACGGCGTCAACGTGGAGGGCGAGACGCAC CACCAGGTGGTGCAAAGGATCAAGGCTGTGGAGGGGCAGACTCGGCTGCTGGTGGTGGACCAGGAGACA GATGAGGAGCTCCGCCGGCGGCAGCTGACCTGTACCGAGGAGATGGCCCAGCGAGGGCTCCCACCCGCC CACGACCCCTGGGAGCCGAAGCCAGACTGGGCACACACCGGCAGCCACAGCTCCGAAGCTGGCAAGAAG GATGTCAGTGGGCCCCTGAGGGAGCTGCGCCCTCGGCTCTGCCACCTGCGAAAGGGACCTCAGGGCTAT GGGTTCAACCTGCATAGTGACAAGTCCCGGCCCGGCCAGTACATCCGCTCTGTGGACCCGGGCTCACCT GCCGCCCGCTCTGGCCTCCGCGCCCAGGACCGGCTCATTGAGGTGAACGGGCAGAATGTGGAGGGACTG CGCCATGCTGAGGTGGTGGCCAGCATCAAGGCACGGGAGGACGAGGCCCGGCTGCTGGTCGTGGACCCC GAGACAGATGAACACTTCAAGCGGCTTCGGGTCACACCCACCGAGGAGCACGTGGAAGGTCCTCTGCCG TCACCCGTCACCAATGGAACCAGCCCTGCCCAGCTCAATGGTGGCTCTGCGTGCTCGTCCCGAAGTGAC CTGCCTGGTTCCGACAAGGACACTGAGGATGGCAGTGCCTGGAAGCAAGATCCCTTCCAGGAGAGCGGC CTCCACCTGAGCCCCACGGCGGCCGAGGCCAAGGAGAAGGCTCGAGCCATGCGAGTCAACAAGCGCGCG CCACAGATGGACTGGAACAGGAAGCGTGAAATCTTCAGCAACTTCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001130012
Insert Size:	1014 bp

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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_001130012.2
RefSeq Size:	2194 bp
RefSeq ORF:	1014 bp
Locus ID:	9351
UniProt ID:	Q15599
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	37.4 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 (1) represents the longest transcript and encodes the longest 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.