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Product datasheet for RC232200

SLC9A3R2 (NM_001252073) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A3R2 (NM_001252073) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC9A3R2
Synonyms:	E3KARP; NHE3RF2; NHERF-2; NHERF2; OCTS2; SIP-1; SIP1; TKA-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232200 representing NM_001252073 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCACGCTCCGGGAGTGCCACGCCACCTGCCCGGGCTCCGGGAGCCCCTCCACGGAGCCCACCCCAGA GGCTGGTACAGGATGTCAGTGGGCCCCTGAGGGAGCTGCGCCCTCGGCTCTGCCACCTGCGAAAGGGACC TCAGGGCTATGGGTTCAACCTGCATAGTGACAAGTCCCGGCCCGGCCAGTACATCCGCTCTGTGGACCCG GGCTCACCTGCCGCCCGCTCTGGCCTCCGCGCCCAGGACCGGCTCATTGAGGTGAACGGGCAGAATGTGG AGGGACTGCGCCATGCTGAGGTGGTGGCCAGCATCAAGGCACGGGAGGACGAGGCCCGGCTGCTGGTCGT GGACCCCGAGACAGATGAACACTTCAAGCGGCTTCGGGTCACACCCACCGAGGAGCACGTGGAAGGTCCT CTGCCGTCACCCGTCACCAATGGAACCAGCCCTGCCCAGCTCAATGGTGGCTCTGCGTGCTCGTCCCGAA GTGACCTGCCTGGTTCCGACAAGGACACTGAGGATGGCAGTGCCTGGAAGCAAGATCCCTTCCAGGAGAG CGGCCTCCACCTGAGCCCCACGGCGGCCGAGGCCAAGGAGAAGGCTCGAGCCATGCGAGTCAACAAGCGC GCGCCACAGATGGACTGGAACAGGAAGCGTGAAATCTTCAGCAACTTC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

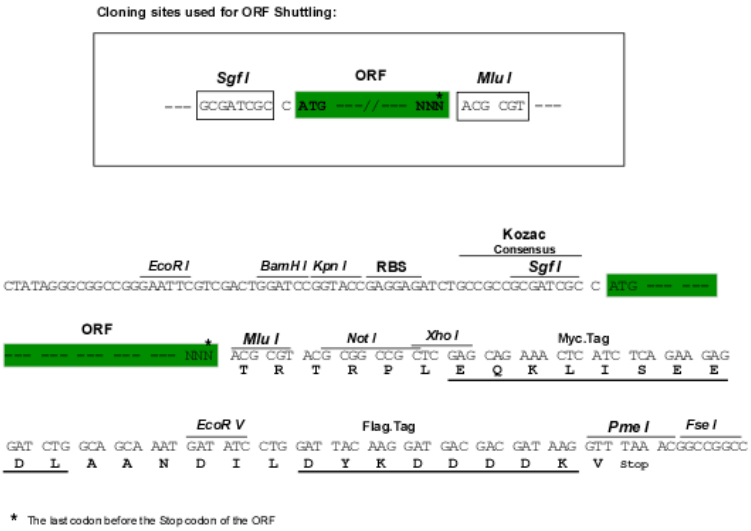
>RC232200 representing NM_001252073
Red=Cloning site Green=Tags(s)

MARSGSATPPARAPGAPPRSPPQRLVQDVSGPLRELRPRLCHLRKGPQGYGFNLHSDKSRPGQYIRSVDP
GSPAARSGLRAQDRLIEVNGQNVEGLRHAEVVASIKAREDEARLLVVDPETDEHFKRLRVTPTEEHVEGP
LPSPVTNGTSPAQLNGGSACSSRSDLPGSDKDTEDGSAWKQDPFQESGLHLSPTAAEAKEKARAMRVNKR
APQMDWNRKREIFSNF

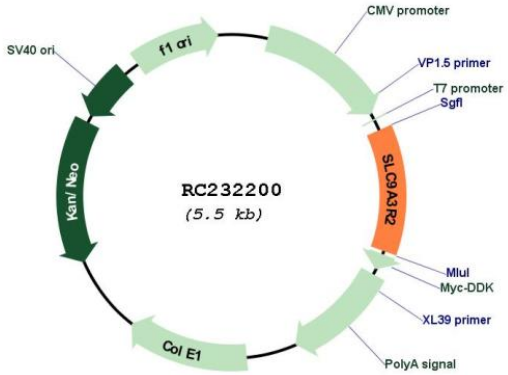
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252073

ORF Size: 678 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001252073.2
RefSeq Size:	1811 bp
RefSeq ORF:	681 bp
Locus ID:	9351
UniProt ID:	Q15599
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	25.2 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]