

Product datasheet for **RR204472**

Slc9a3r2 (NM_053811) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a3r2 (NM_053811) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc9a3r2
Synonyms:	E3karp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204472 representing NM_053811 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGCGCCGGAGTCGCTGCGGCCCGCTTGTGTGCGCTGGTGCAGGGGCGAGCAAGGGTACGGCTTCC
ACCTGCATGGCGAGAAAGCCGCGTGGCCAGTTCATCCGGCGCGTGGAGCCAGGCTCCCCAGCCGAGGC
GGCCGCGCTGCGCGCCGGGACCGCCTGGTTGAGGTCAACGGCGTCAACGTAGAGGGCGAGACGCATCAC
CAGGTGGTCCAGAGGATCAAGGCTGTGGAGGGACAGACCCAGCTGCTTGTGGTGGACAAGGAGACAGATG
AGGAACCTCTGCCGGCGCAACTGACCTGCACTGAGGAGATGGCCATCGAGGGCTTCCGCCAGCCACAA
CCCCTGGGAGCCAAAGCCGGACTGGGCATGCTCAGGCAGTCTTGGCTCGGACACAGGCCAGAAGGATGTC
AATGGGCCCCCAAGAGAGCTGCGTCCCCGGCTCTGCCACTACGAAGGGGACCCAGGGCTACGGATTCA
ACCTGCACAGTGACAAGTCTCGGCTGGCCAATACATCCGCTCTGTGGACCCTGGCTCTCCTGCTTCTCT
CTCTGGCTCCGGGCCAAGACCGGCTCATTGAGGTGAATGGGCAGAATGTGGAGGGGCTGCGCCATGCC
GAAGTTGTTGCCAGAATCAAGGCACAGGAGGATGAGGCCCGTTGCTGGTGTAGACCCCGAGACTGATG
AACACTTCAAACGTTGCGGGTCTGCCACCGAGGATACGTGGAAGGTCCACTGCCATCACCAGTCAC
GAACGGGACAGCCTTGCCAGCTCAATGGTGGCTCCGTGCTCTTCCGAAGCGACCTGCCAGGCTCA
GAGAAGGACAATGAGGATGGCAGTGCTTGAAGAGAGACCCCTTCCAGGAAAGTGGTCTCCACCTGAGCC
CCACAGCAGCCGAGGCCAAGGAGAAGGCTCGAGCTACTCGGGTCAATAAGAGAGCACCACAGATGGACTG
GAACCGGAAGCGAGAGATCTTCAGCAACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204472 representing NM_053811
 Red=Cloning site Green=Tags(s)

MAAPESLRPRLCRLVRGEQGYGFHLHGEKGRGQFIRRVEPGSPAEEAALRAGDRLVEVNGVNVEGETHH
 QVVQRIVAVEGQTQLLVVDKETDEELCRRQLTCTEEMHRGLPPAHPWEPKPDWACSGSLGSDTGQKDV
 NGPPRELRPRLCHLRGPGQYGFNLHSDKSRPGQYIRSVDPGSPASLSGLRAQDRLIEVNGQNV EGLRHA
 EVVARIKAQEDEARLLVDPETDEHFKRLRVVPTEDHVEGPLPSPVTNGTSLAQLNGGSSVCSSRSDLPGS
 EKDNEDGSAWKRDPFQESGLHLSPTAAEAKEKARATRVNKRAPQMDWNRKREIFSNF

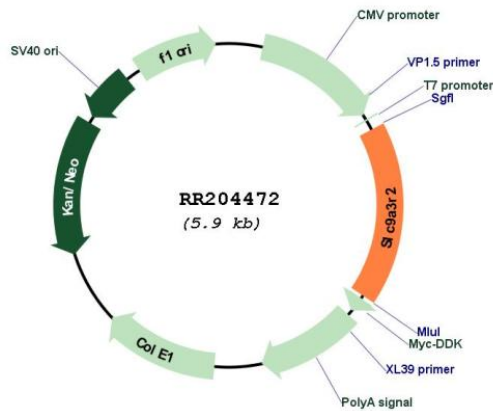
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053811

ORF Size: 1011 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:	<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:	NM_053811.3 , NP_446263.2
RefSeq Size:	2110 bp
RefSeq ORF:	1014 bp
Locus ID:	116501
UniProt ID:	Q920G2
Cytogenetics:	10q12
MW:	37.4 kDa
Gene Summary:	a membrane-cytoskeleton linking protein; participates in coordinating cAMP-regulated ion transport in the epithelia [RGD, Feb 2006]