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Product datasheet for RG230392

SLC9A6 (NM_001177651) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A6 (NM_001177651) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC9A6
Synonyms:	MRSA; NHE6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG230392 representing NM_001177651
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGAGGAGATCGTGTCCGAGAAGCAAGCCGAGGAGAGCCACCGGCAGGACAGCGCCAACCTGCTCA
TCTTCATCCTGCTGCTCACCCTCACCATTCTCACAATCTGGCTCTTCAAGCACCGCCGGGCCCGCTTCCT
GCACGAAACCGGCCTGGCTATGATTTATGGTCTTTTGGTGGGCCTTGTGCTTCGGTATGGCATTCATGTT
CCGAGTGATGTAAATAATGTGACCCTGAGCTGTGAAGTGCAGTCAAGTCCAACTACCTTACTGGTAAATG
TTAGTGGAAAATTTTATGAGTATATGCTGAAAGGAGAGATTAGTTCACATGAACTCAATAATGTTCAAGA
TAATGAAATGCTTAGAAAGGTTACTTTTGATCCAGAAGTATTTTTCAACATATTACTTCCTCCTATCATA
TTTTATGCAGGTTATAGCCTGAAAAGGAGACATTTTTTTCGAAATCTTGGGTCTATCCTAGCATACGCTT
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GGGCTTCACAGGTGTAGTTGCAGTATTGTTTTGTGGCATCACACAAGCACATTATACGTATAATAATTTG
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ATTTGTTGCTATTTTCTTGGGAAGAGCTGCCAATATTTACCCCTTGTCCCTCTTACTTAATTTGGGTAGA
AGAAGTAAGATTGGATCAAATTTTCAACACATGATGATGTTTGCTGGCCTTCGTGGTGCAATGGCATTTG
CCTTGGCCATTCGAGATACTGCCACTTATGCACGGCAAATGATGTTCAGCACCACGCTTCTGATTGTGTT
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GATTCAGACCAAGAACACTTGGGTGTTCCTGAAAATGAAAGGAGAACTACCAAAGCAGAGAGTGCTTGGC
TTTTCCGGATGTGGTACAACTTTGATCATAACTATCTGAAGCCTCTGCTGACCCACAGCGGGCCTCCGCT
GACAACAACACTCCCTGCCTGCTGTGGACCCATCGCCAGGTGCCTCACCAGCCCCCAGGCTTACGAAAAC
CAGGAACAGTTGAAAGATGATGATTCTGATCTTATTCTCAATGATGGTGACATCAGTTTGACATATGGAG
ATTCTACTGTGAACACTGAACCGGCCACATCCAGCGCCCCAAGGAGATTTATGGGAAACAGTTCTGAAGA
TGCCTTGGATCGGGAGCTTGCATTTGGGGACCATGAACTGGTCATTCGAGGAACACGCCTGGTTCTTCCA
ATGGATGATTCTGAACCCCCGCTAAATTTGTTAGATAATACGAGACATGGTCCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

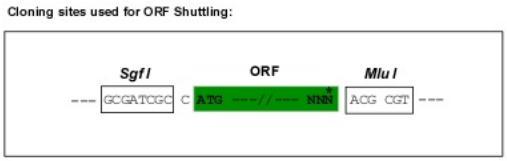
>RG230392 representing NM_001177651
Red=Cloning site Green=Tags(s)

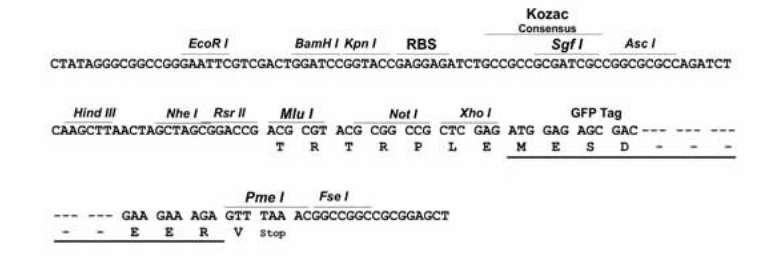
MDEEIVSEKQAEESHRQDSANLLIFILLLTLTILTIWLFKHRRARFLHETGLAMIYGLLVGLVLRYGIHV
PSDVNNVTLSCEVQSSPTTLLVNVSGKFYEYMLKGEISSHELNNVQDNEMLRKVTFDPEVFFNILLPPII
FYAGYSLKRRHFFRNLGSILAYAFLGTAISCFVIGSIMYGCVTLMKVTGQLAGDFYFTDCLLFGAIVSAT
DPVTVLAIFHELQVDVELYALLFGESVLNDAVAIVLSSSIVAYQPAGDNSHTFDVTAMFKSIGIFLGIFS
GSFAMGAATGVVTALVTKFTKLREFQLLETGLFFLMSWSTFLLAEAWGFTGVVAVLFCGITQAHYTYNNL
STESQHRTKQLFELLNFLAENFIFSYMGLTLFTFQNHVFNPTFVVGAFVAIFLGRAANIYPLSLLLNLGR
RSKIGSNFQHMMMFAGLRGAMAFALAIRDTATYARQMMFSTTLLIVFFTVWVFGGGTTAMLSCLHIRVGV
DSDQEHLGVPENERRTTKAESAWLFRMWYNFDHNYLKPLLTHSGPPLTTTLPACCGPIARCLTSPQAYEN
QEQLKDDDSDLILNDGDISLTYGDSTVNTEPATSSAPRRFMGNSSEDALDRELAFGDHELVIRGTRLVLP
MDDSEPPLNLLDNTRHGPA

TRTRPLE - GFP Tag - V

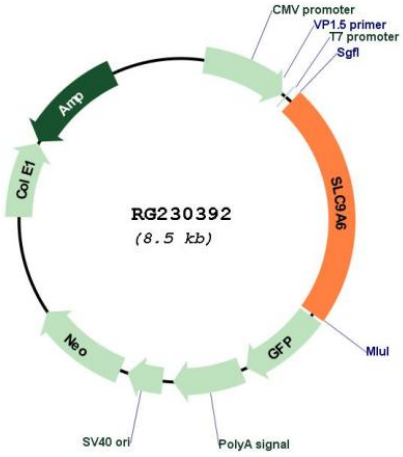
Restriction Sites: SgfI-MluI

Cloning Scheme:





Plasmid Map:



ACCN: NM_001177651

ORF Size: 1947 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_001177651.2
RefSeq Size:	4620 bp
RefSeq ORF:	1950 bp
Locus ID:	10479
UniProt ID:	Q92581
Cytogenetics:	Xq26.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cardiac muscle contraction
Gene Summary:	This gene encodes a sodium-hydrogen exchanger that is amember of the solute carrier family 9. The encoded protein localizes to early and recycling endosomes and may be involved in regulating endosomal pH and volume. Defects in this gene are associated with X-linked syndromic cognitive disability, Christianson type. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]