

Product datasheet for **RG212034**

SLC9A7 (NM_032591) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC9A7
Synonyms:	MRX108; NHE-7; NHE7; SLC9A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG212034 representing NM_032591
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCCTGGTGACGCGCGCGCCCTGGCTCGGGTCGGGCTACCGGGCGCCGCCCGCGGCTGCTGC
 TGCTGCCGCTGCTGCTGGGTTGGGGCTGCGAGTCGCGGCCGCGGCTCGGCCCTCCTCTCTGGGGCGGC
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 GCCGGTGCGCTTTCTGCACGAGACCGGCTGGCCATGATCTATGGGCTCATCGTTGGGGTGATCCTGAG
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 TTCGCACACCGCCTCCACGAGTCTGGAGGGCAGCCGAGAACGAAGAGCAGCTCGGAGGAAGTGCTGGAG
 CGAGACCTGGGAATGGGAGACCAGAAGTTTCGAGCCGGGGCACCCGCCTAGTGTTCCTTGGGAAGATA
 ATGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212034 representing NM_032591

Red=Cloning site Green=Tags(s)

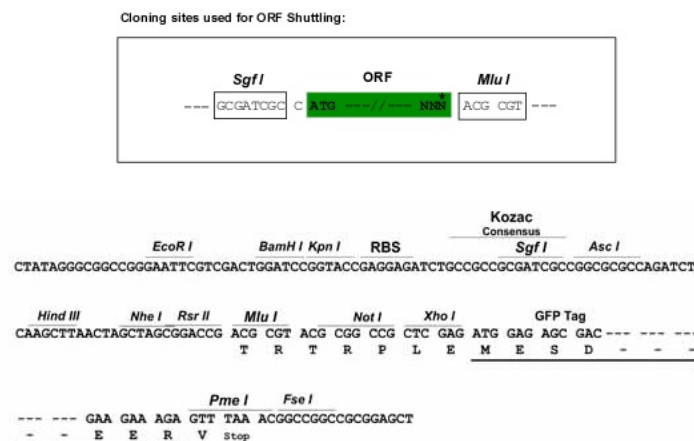
MEPGDAARPGSGRATGAPPRLLLLPLLLGWGLRVAAAASASSGAAEDSSAMEELATEKEAEESHQRD
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TLLVNVSGKFFEYTLKGEISPGKINSVEQNDMLRKVTFDPEVFFNILLPPIIFHAGYSLKKRHFNRNLGS
ILAYAF LGTAVSCFIIGNLMYGVVKLMKIMGQLSDKFYTTDCLFFGAIISATDPVTVLAIFNELHADVDL
YALLFGESVLNDAVAIVLSSSIVAYQAPAGLNTHAFDAAFFKSVGIFLGIFSGSFTMGAVTGVNANVTKF
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AMAFALAIRDTASYARQMMFTTLLIVFFTVWIIGGGTTPMLSWLNIRVGVEEPSEEDQNEHHWQYFRVG
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LARCLTSPQVYDNQEPLREEDSDFILTEGDLTLTYGDSTVTANGSSSHTASTSLEGSRRTKSSSEEVLE
RDLGMGDQKVSSRGTRLVFPLEDNA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_032591

ORF Size:

2175 bp

OTI Disclaimer:

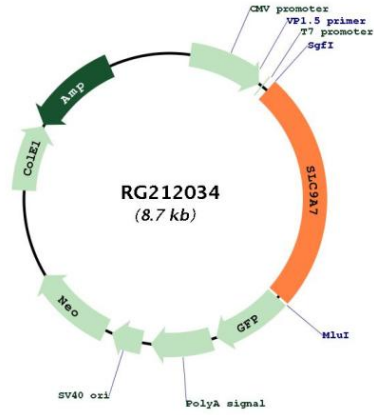
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032591.3
RefSeq Size:	2200 bp
RefSeq ORF:	2178 bp
Locus ID:	84679
UniProt ID:	Q96T83
Cytogenetics:	Xp11.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a sodium and potassium/ proton antiporter that is a member of the solute carrier family 9 protein family. The encoded protein is primarily localized to the trans-Golgi network and is involved in maintaining pH homeostasis in organelles along the secretory and endocytic pathways. This protein may enhance cell growth of certain breast tumors. This gene is part of a gene cluster on chromosome Xp11.23. A pseudogene of this gene is found on chromosome 12. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RG212034