

## Product datasheet for **RG207826**

### SLC9A9 (NM\_173653) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A9 (NM_173653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC9A9
Synonyms:	AUTS16; NHE9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG207826 representing NM\_173653  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGGCGCGCC

ATGGAGAGACAGTCAAGGTTATGTCAGAAAAGGATGAGTATCAGTTTCAACATCAGGGAGCGGTGGAGC  
 TGCTTGTCTTCAATTTTTGCTCATCCTTACCATTTTGACAATCTGGTTATTTAAAAATCATCGATTCCG  
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 TATGAACTCAAGCTTGAAGCAAACTTTGGGTCAATCCCAGTTGAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG207826 representing NM\_173653  
 Red=Cloning site Green=Tags(s)

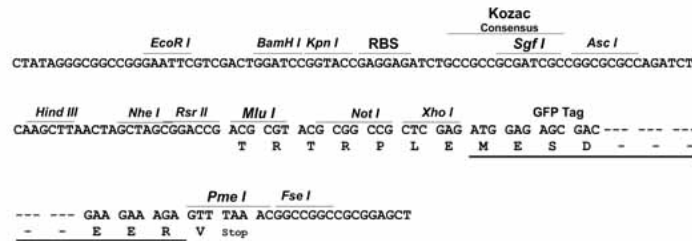
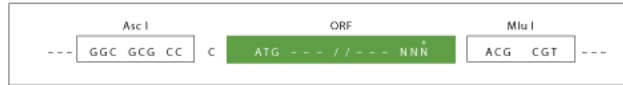
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 NNLSDDSKIRTKQLFEFMFLAENVIFCYMGLALFTFQNHIFNALFILGAFLAIFVARACNIYPLSFLLN  
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 VGVLDLNLKEDPSSQHQEANNLDKNMKAESARLFRMWSYFDHKYLKPIILTHSGPPLTTTLPEWCGPIS  
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TRTRPLE – GFP Tag – V

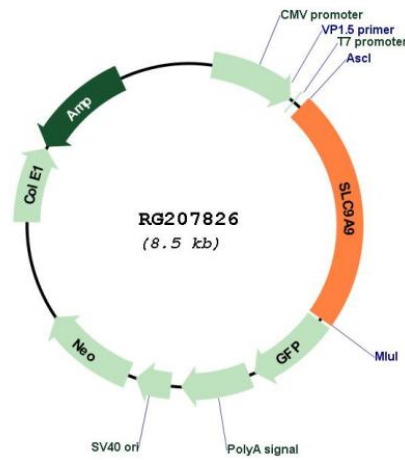
Restriction Sites: Ascl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_173653

ORF Size: 1935 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173653.4</a>
<b>RefSeq Size:</b>	3647 bp
<b>RefSeq ORF:</b>	1938 bp
<b>Locus ID:</b>	285195
<b>UniProt ID:</b>	<a href="#">Q8IVB4</a>
<b>Cytogenetics:</b>	3q24
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a sodium/proton exchanger that is a member of the solute carrier 9 protein family. The encoded protein localizes to the late recycling endosomes and may play an important role in maintaining cation homeostasis. Mutations in this gene are associated with autism susceptibility 16 and attention-deficit/hyperactivity disorder. [provided by RefSeq, Mar 2012]