

Product datasheet for **RG218840**

SLC9C1 (NM_183061) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9C1 (NM_183061) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC9C1
Synonyms:	NHE; NHE-10; SLC9A10; sperm-NHE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218840 representing NM_183061 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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 TGATCAGCTCCATTGGAGCATTTTTGAACCGGCACTTGAAGACTTTCCAATTCCTGTCCCTGTGATATT
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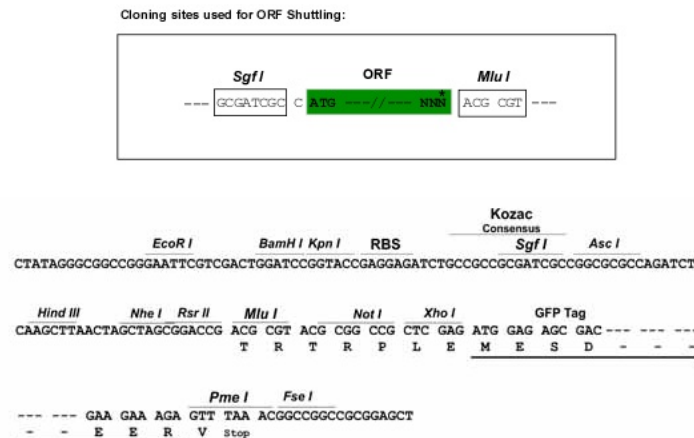
Protein Sequence: >RG218840 representing NM_183061
Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

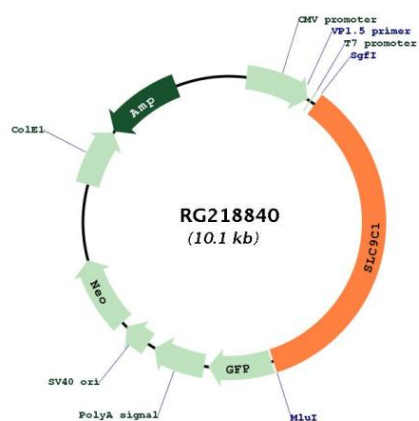


ACCN: NM_183061

ORF Size: 3531 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_183061.3
RefSeq Size:	4138 bp
RefSeq ORF:	3534 bp
Locus ID:	285335
UniProt ID:	Q4G0N8
Cytogenetics:	3q13.2
Protein Families:	Transmembrane
Gene Summary:	SLC9A10 is a member of the sodium-hydrogen exchanger (NHE) family (see SLC9A1, MIM 107310) and is required for male fertility and sperm motility (Wang et al., 2003 [PubMed 14634667]).[supplied by OMIM, Apr 2009]

Product images:



Circular map for RG218840