

Product datasheet for **RG220734**

SLC4A7 (NM_003615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC4A7 (NM_003615) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC4A7
Synonyms:	NBC2; NBC3; NBCN1; SBC2; SLC4A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220734 representing NM_003615 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**C

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

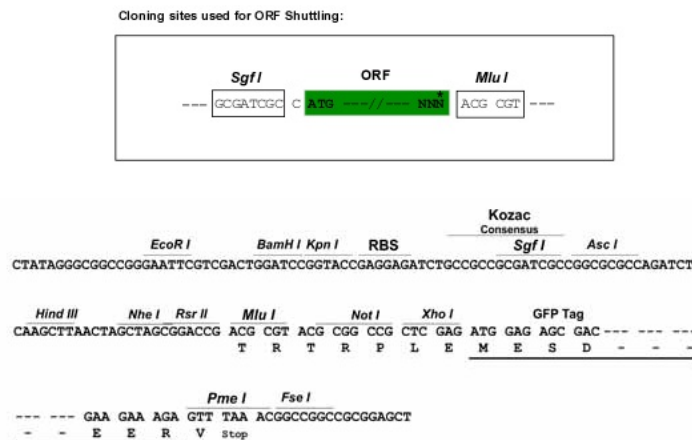
Protein Sequence: >RG220734 representing NM_003615
 Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

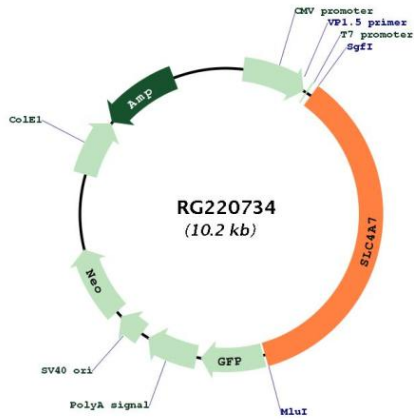


ACCN: NM_003615

ORF Size: 3642 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_003615.2 , NP_003606.2
RefSeq Size:	7785 bp
RefSeq ORF:	3645 bp
Locus ID:	9497
UniProt ID:	Q9Y6M7
Cytogenetics:	3p24.1
Domains:	HCO3_cotransp
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This locus encodes a sodium bicarbonate cotransporter. The encoded transmembrane protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus considered an electroneutral cotransporter. The encoded protein likely plays a critical role in regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RG220734