

Product datasheet for **RC220734L4V**

SLC4A7 (NM_003615) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC4A7 (NM_003615) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC4A7
Synonyms:	NBC2; NBC3; NBCN1; SBC2; SLC4A6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003615
ORF Size:	3642 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220734).
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.
RefSeq:	NM_003615.4
RefSeq Size:	7767 bp
RefSeq ORF:	3645 bp
Locus ID:	9497
UniProt ID:	Q9Y6M7
Cytogenetics:	3p24.1
Domains:	HCO3_cotransp
Protein Families:	Druggable Genome, Transmembrane



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MW: 136.5 kDa

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]