

Product datasheet for **RC230649L4V**

SLC4A10 (NM_001178016) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC4A10 (NM_001178016) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC4A10
Synonyms:	NBCn2; NCBE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001178016
ORF Size:	3297 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230649).
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_001178016.1 , NP_001171487.1
RefSeq ORF:	3300 bp
Locus ID:	57282
UniProt ID:	Q6U841
Cytogenetics:	2q24.2
Protein Families:	Druggable Genome, Transmembrane
MW:	124.2 kDa



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Gene Summary:

This gene belongs to a small family of sodium-coupled bicarbonate transporters (NCBTs) that regulate the intracellular pH of neurons, the secretion of bicarbonate ions across the choroid plexus, and the pH of the brain extracellular fluid. The protein encoded by this gene was initially identified as a sodium-driven chloride bicarbonate exchanger (NCBE) though there is now evidence that its sodium/bicarbonate cotransport activity is independent of any chloride ion countertransport under physiological conditions. This gene is now classified as a member A10 of the SLC4 family of transmembrane solute carriers. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, May 2010]