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Product datasheet for RC216354L3V

SLC8A2 (NM_015063) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC8A2 (NM_015063) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC8A2
Synonyms:	NCX2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015063
ORF Size:	2763 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216354).
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_015063.1
RefSeq Size:	4282 bp
RefSeq ORF:	2766 bp
Locus ID:	6543
UniProt ID:	Q9UPR5
Cytogenetics:	19q13.32
Protein Families:	Transmembrane
Protein Pathways:	Calcium signaling pathway

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MW: 100.2 kDa

Gene Summary: Mediates the electrogenic exchange of Ca(2+) against Na(+) ions across the cell membrane, and thereby contributes to the regulation of cytoplasmic Ca(2+) levels and Ca(2+)-dependent cellular processes. Contributes to cellular Ca(2+) homeostasis in excitable cells. Contributes to the rapid decrease of cytoplasmic Ca(2+) levels back to baseline after neuronal activation, and thereby contributes to modulate synaptic plasticity, learning and memory. Plays a role in regulating urinary Ca(2+) and Na(+) excretion.[UniProtKB/Swiss-Prot Function]