

Product datasheet for **MR220832L4V**

Slc9c1 (NM_198106) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc9c1 (NM_198106) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc9c1
Synonyms:	Gm610; NHE-10; Slc9a10; sNHE; spermNHE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198106
ORF Size:	3525 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220832).
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_198106.4 , NP_932774.3
RefSeq Size:	3836 bp
RefSeq ORF:	3528 bp
Locus ID:	208169
UniProt ID:	Q6UJY2
Cytogenetics:	16 B5


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Gene Summary:

Sperm-specific sodium/hydrogen exchanger involved in intracellular pH regulation of spermatozoa. Required for sperm motility and fertility. Involved in sperm cell hyperactivation, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. Required for the expression and bicarbonate regulation of the soluble adenylyl cyclase (sAC).[UniProtKB/Swiss-Prot Function]