

## Product datasheet for **MR222092L3V**

### **Slc4a11 (NM\_001081162) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Slc4a11 (NM_001081162) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc4a11
Synonyms:	AI503023; BTR1; NaBC1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001081162
ORF Size:	2586 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222092).
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. <a href="#">More info</a>
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:	<a href="#">NM_001081162.1</a> , <a href="#">NP_001074631.1</a>
RefSeq Size:	3201 bp
RefSeq ORF:	2589 bp
Locus ID:	269356
UniProt ID:	<a href="#">A2AJN7</a>
Cytogenetics:	2 F1



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**Gene Summary:**

Transporter which plays an important role in sodium-mediated fluid transport in different organs. Prevents severe morphological changes of the cornea caused by increased sodium chloride concentrations in the stroma. In the inner ear, is involved in transport of potassium through the fibrocyte layer to the stria vascularis and is essential for the generation of the endocochlear potential but not for regulation of potassium concentrations in the endolymph. In the kidney, is essential for urinary concentration, mediates a sodium flux into the thin descending limb of Henle loop to allow countercurrent multiplication by osmotic equilibration. Involved in borate homeostasis. In the absence of borate, it functions as a Na<sup>(+)</sup> and OH<sup>(-)</sup>(H<sup>(+)</sup>) channel. In the presence of borate functions as an electrogenic Na<sup>(+)</sup> coupled borate cotransporter.[UniProtKB/Swiss-Prot Function]