

Product datasheet for **MR211653L4V**

Slc12a5 (NM_020333) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc12a5 (NM_020333) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc12a5
Synonyms:	KCC2; mKIAA1176
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020333
ORF Size:	3345 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211653).
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_020333.2 , NP_065066.2
RefSeq Size:	6042 bp
RefSeq ORF:	3348 bp
Locus ID:	57138
UniProt ID:	Q91V14
Cytogenetics:	2 H3



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Gene Summary:

Mediates electroneutral potassium-chloride cotransport in mature neurons and is required for neuronal Cl⁻ homeostasis. As major extruder of intracellular chloride, it establishes the low neuronal Cl⁻ levels required for chloride influx after binding of GABA-A and glycine to their receptors, with subsequent hyperpolarization and neuronal inhibition. Involved in the regulation of dendritic spine formation and maturation.[UniProtKB/Swiss-Prot Function]