

## Product datasheet for **RC223680L2V**

### KCC2 (SLC12A5) (NM\_020708) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	KCC2 (SLC12A5) (NM_020708) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCC2
Synonyms:	DEE34; EIEE34; EIG14; hKCC2; KCC2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_020708
ORF Size:	3348 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223680).
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_020708.3</a>
RefSeq Size:	6059 bp
RefSeq ORF:	3351 bp
Locus ID:	57468
UniProt ID:	<a href="#">Q9H2X9</a>
Cytogenetics:	20q13.12
Protein Families:	Transmembrane
MW:	123.3 kDa



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**Gene Summary:**

K-Cl cotransporters are proteins that lower intracellular chloride concentrations below the electrochemical equilibrium potential. The protein encoded by this gene is an integral membrane K-Cl cotransporter that can function in either a net efflux or influx pathway, depending on the chemical concentration gradients of potassium and chloride. The encoded protein can act as a homomultimer, or as a heteromultimer with other K-Cl cotransporters, to maintain chloride homeostasis in neurons. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Sep 2008]