

## Product datasheet for **RC209230L4V**

### VGLuT1 (SLC17A7) (NM\_020309) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	VGLuT1 (SLC17A7) (NM_020309) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VGLuT1
Synonyms:	BNPI; VGLUT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020309
ORF Size:	1680 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209230).
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_020309.3</a>
RefSeq Size:	2993 bp
RefSeq ORF:	1683 bp
Locus ID:	57030
UniProt ID:	<a href="#">Q9P2U7</a>
Cytogenetics:	19q13.33
Domains:	sugar_tr
Protein Families:	Transmembrane



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**MW:** 61.6 kDa

**Gene Summary:** The protein encoded by this gene is a vesicle-bound, sodium-dependent phosphate transporter that is specifically expressed in the neuron-rich regions of the brain. It is preferentially associated with the membranes of synaptic vesicles and functions in glutamate transport. The protein shares 82% identity with the differentiation-associated Na-dependent inorganic phosphate cotransporter and they appear to form a distinct class within the Na<sup>+</sup>/Pi cotransporter family. [provided by RefSeq, Jul 2008]