

## Product datasheet for **RC220198L4V**

### VGLUT3 (SLC17A8) (NM\_139319) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	VGLUT3 (SLC17A8) (NM_139319) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VGLUT3
Synonyms:	DFNA25; VGLUT3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139319
ORF Size:	1767 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220198).
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_139319.1</a>
RefSeq Size:	3983 bp
RefSeq ORF:	1770 bp
Locus ID:	246213
UniProt ID:	<a href="#">Q8NDX2</a>
Cytogenetics:	12q23.1
Protein Families:	Transmembrane
MW:	65.4 kDa



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**Gene Summary:**

This gene encodes a vesicular glutamate transporter. The encoded protein transports the neurotransmitter glutamate into synaptic vesicles before it is released into the synaptic cleft. Mutations in this gene are the cause of autosomal-dominant nonsyndromic type 25 deafness. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]