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Product datasheet for RC221342L3V

VMAT2 (SLC18A2) (NM_003054) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	VMAT2 (SLC18A2) (NM_003054) Human Tagged ORF Clone Lentiviral Particle
Symbol:	VMAT2
Synonyms:	PKDYS2; SVAT; SVMT; VAT2; VMAT2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003054
ORF Size:	1542 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221342).
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_003054.2
RefSeq Size:	1898 bp
RefSeq ORF:	1545 bp
Locus ID:	6571
UniProt ID:	Q05940
Cytogenetics:	10q25.3
Protein Families:	Transmembrane
Protein Pathways:	Parkinson's disease

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MW: 55.5 kDa

Gene Summary: This gene encodes an transmembrane protein that functions as an ATP-dependent transporter of monoamines, such as dopamine, norepinephrine, serotonin, and histamine. This protein transports amine neurotransmitters into synaptic vesicles. Polymorphisms in this gene may be associated with schizophrenia, bipolar disorder, and other neurological/psychiatric ailments. [provided by RefSeq, Jun 2018]