

Product datasheet for RC227815L4

VMAT1 (SLC18A1) (NM_001142324) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VMAT1 (SLC18A1) (NM_001142324) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	VMAT1
Synonyms:	CGAT; VAT1; VMAT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227815).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.



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UniProt ID: [P54219](#)

Cytogenetics: 8p21.3

Protein Families: Transmembrane

Protein Pathways: Parkinson's disease

MW: 52.5 kDa

Gene Summary: The vesicular monoamine transporter acts to accumulate cytosolic monoamines into vesicles, using the proton gradient maintained across the vesicular membrane. Its proper function is essential to the correct activity of the monoaminergic systems that have been implicated in several human neuropsychiatric disorders. The transporter is a site of action of important drugs, including reserpine and tetrabenazine (Peter et al., 1993 [PubMed 7905859]). See also SLC18A2 (MIM 193001).[supplied by OMIM, Mar 2008]