

Product datasheet for **RC224272L4V**

VSX1 (NM_199425) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	VSX1
Synonyms:	CAASDS; KTCN; KTCN1; PPCD; PPCD1; PPD; RINX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_199425
ORF Size:	717 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC224272).

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_199425.1
RefSeq Size:	943 bp
RefSeq ORF:	720 bp
Locus ID:	30813
UniProt ID:	Q9NZR4
Cytogenetics:	20p11.21



MW: 24.8 kDa

Gene Summary:

The protein encoded by this gene contains a paired-like homeodomain and binds to the core of the locus control region of the red/green visual pigment gene cluster. The encoded protein may regulate expression of the cone opsin genes early in development. Mutations in this gene can cause posterior polymorphous corneal dystrophy and keratoconus. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]