

## Product datasheet for SC307969

### VSX1 (NM\_199425) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VSX1 (NM_199425) Human Untagged Clone
Tag:	Tag Free
Symbol:	VSX1
Synonyms:	CAASDS; KTCN; KTCN1; PPCD; PPCD1; PPD; RINX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307969 representing NM_199425. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCGGCCGGGACTCGCTTCCGACGGGCGCACTAGCAGCAGGGCGCTGGTGCCTGGCGGTTCCCCCT
AGGGGCTCGCGCCCCGGGGCTTCGCCATCACGGACCTGCTGGGCTTGGAGGCCGAGCTGCCGGCGCCC
GCTGGCCAGGACAGGGATCTGGCTGCGAGGGTCCGGCAGTCGCGCCGTGCCCGGGCCCGGGGCTTGAC
GGCTCCAGCCTGGCGCTGGGGCCCTACCCTGGGACTCGGCCTCCTCTGTGGCTTCGGCACGCAGCCG
CCGGCGCGCGCTCGAGCACCTGCCTGCTCCTAGCGGACGTGCCGTTCTGCCGCCAGGGGCCCGGAG
CCCCTGCCCGCTGGCTCCCAGCGCTCCGCCGCTGCGCTCGGCCGCCAGAAGCGCAGCGACAGCGTC
TCCACGTCGGATGAGGACAGCCAGTCTGAAGACAGGAATGACCTAAAGGCATCCCCACCTTGGGCAAG
AGGAAGAAGCGCGGCACAGGACAGTTTTCACTGCTCACCAGCTGGAAGGTTGGAGAAGGCATTACG
GAGGCCACTACCTGATGTGTATGCCCGAGAAATGCTGGCTGTGAAAAGTGGAGTCCCCGAAGACCGG
ATACAGGTGTCTGGGGTCCCTTTCTCCGCTCAAAGATACCACAGAGAAGCTGTATTCCACATTCA
GTGAGCCAATCAGCAGTCCCTTCTCTATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_199425
Insert Size:	720 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199425.2</a>
<b>RefSeq Size:</b>	1196 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	30813
<b>UniProt ID:</b>	<a href="#">Q9NZR4</a>
<b>Cytogenetics:</b>	20p11.21
<b>MW:</b>	25 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding region compared to variant 1, resulting in a shorter isoform (b) that has a distinct C-terminus compared to isoform a.</p>