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Product datasheet for SC304135

VSX1 (NM_014588) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSX1 (NM_014588) 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:	>SC304135 representing NM_014588. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGACCGGCCGGGACTCGCTTTCCGACGGGCGCACTAGCAGCAGGGCGCTGGTGCCTGGCGGTTCCCCT AGGGGCTCGCGCCCCCGGGGCTTCGCCATCACGGACCTGCTGGGCTTGGAGGCCGAGCTGCCGGCGCCC GCTGGCCCAGGACAGGGATCTGGCTGCGAGGGTCCGGCAGTCGCGCCGTGCCCGGGCCCGGGGCTTGAC GGCTCCAGCCTGGCGCGTGGGGCCCTACCGCTGGGACTCGGCCTCCTCTGTGGCTTCGGCACGCAGCCG CCGGCGGCCGCTCGAGCACCCTGCCTGCTCCTAGCGGACGTGCCGTTCCTGCCGCCCAGGGGCCCCGAG CCCGCTGCCCCGCTGGCTCCCAGCCGTCCGCCGCCTGCGCTCGGCCGCCAGAAGCGCAGCGACAGCGTC TCCACGTCCGATGAGGACAGCCAGTCTGAAGACAGGAATGACCTAAAGGCATCCCCCACCTTGGGCAAG AGGAAGAAGCGGCGGCACAGGACAGTTTTCACTGCTCACCAGCTGGAAGAGTTGGAGAAGGCATTCAGC GAGGCCCACTACCCTGATGTGTATGCCCGAGAAATGCTGGCTGTGAAAACTGAGCTCCCCGAAGACCGG ATACAGGTCTGGTTTCAAAACCGCAGGGCCAAATGGCGCAAGCGGGAGAAGCGCTGGGGCGGCAGCAGC GTGATGGCCGAGTACGGGCTGTACGGGGCCATGGTGCGCCACTGCATCCCGCTGCCAGACTCCGTGCTC AACTCCGCCGAGGGCGGCCTGCTGGGCTCCTGCGCGCCCTGGCTCCTGGGGATGCATAAAAAATCCATG GGGATGATAAGGAAGCCAGGAAGTGAAGATAAGTTGGCAGGACTCTGGGGCTCTGACCACTTCAAAGAA GGTTCTAGCCAGAGTGAGTCAGGATCACAGAGAGGCTCAGATAAAGTGAGCCCTGAGAATGGCTTGGAA GATGTGGCTATTGACCTCTCCAGCTCTGCCCGGCAGGAGACCAAGAAAGTGCACCCTGGGGCTGGTGCT CAAGGAGGCTCCAACTCCACGGCACTGGAGGGGCCCCAGCCAGGGAAGGTGGGAGCCACATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_014588

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Insert Size:	1098 bp
OTI Disclaimer:	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).
OTI Annotation:	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.
Components:	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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_014588.5
RefSeq Size:	2216 bp
RefSeq ORF:	1098 bp
Locus ID:	30813
UniProt ID:	Q9NZR4
Cytogenetics:	20p11.21
MW:	38.4 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] Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.