

Product datasheet for SC312391

C10orf72 (VSTM4) (NM_144984) Human Untagged Clone

Product data:

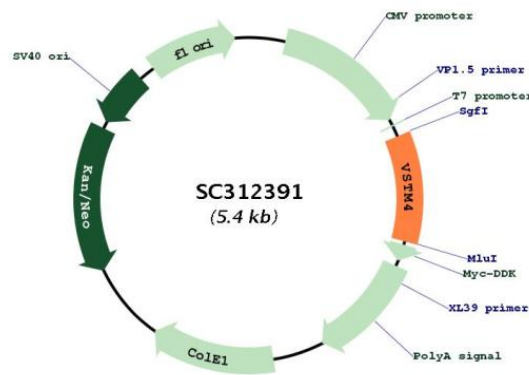
Product Type:	Expression Plasmids
Product Name:	C10orf72 (VSTM4) (NM_144984) Human Untagged Clone
Tag:	Tag Free
Symbol:	VSTM4
Synonyms:	C10orf72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312391 representing NM_144984. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGCTGCTGGCACTGGCGGGCGCCGCTGCTGGCGGGCTCCGGCTCCGGAGTCTGTGCGGCC
CTCAATGTCACTGTGTCCCGGGGCCGTTGACTACCTGGAGGGGAGAATGCCACTCTCCTCTGC
CACGTCTCCAGAAAAGGCGGAAGGACAGCTTGTGGCCGTGCGCTGGTCTTTGCACACTCCTTCGAC
TCCAGGAGGCCTTGATGGTGAAGATGACCAAGCTCCGGTGGTGCAGTACTATGGGAATTCAGCCGC
AGCGCAAACGGCGGAGGCTGCGCCTGCTGGAGGAGCAGCGGGGGCGCTCTACAGGCTCTCCGTCTTG
ACACTGCAGCCCTCCGATCAAGGCATTACGTCTGCAGAGTCCAGGAAATCAGCAGGCACAGGAACAAG
TGGACGGCCTGGTCCAATGGCTCCTCAGCCACGAAATGAGAGGAGTCTCCAGCCATCCAGTGGAGAGG
GGAGCTTTTCTGGGATTTCCCTTGAATACTACCTCACTCTTTGCCCTTACCAGCAGACTTAACCATG
GCCTCCTTCTGCAGAGTTCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_144984

Insert Size: 576 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_144984.3
RefSeq Size:	2193 bp
RefSeq ORF:	576 bp
Locus ID:	196740
UniProt ID:	Q8IW00
Cytogenetics:	10q11.23
Protein Families:	Transmembrane
MW:	21.3 kDa
Gene Summary:	<p>Peptide Lv enhances L-type voltage-gated calcium channel (L-VGCC) currents in retinal photoreceptors.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1.</p>