

## Product datasheet for **SC302590**

### **C10orf72 (VSTM4) (NM\_001031746) Human Untagged Clone**

#### Product data:

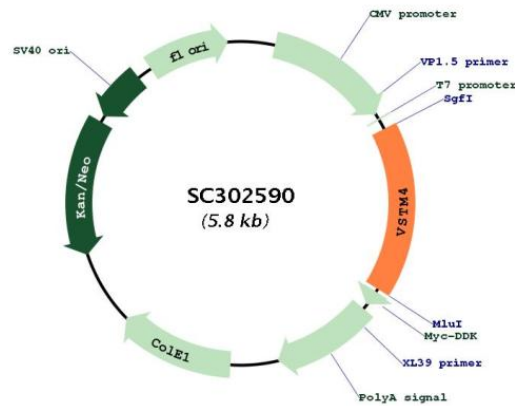
Product Type:	Expression Plasmids
Product Name:	C10orf72 (VSTM4) (NM_001031746) Human Untagged Clone
Tag:	Tag Free
Symbol:	VSTM4
Synonyms:	C10orf72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302590 representing NM_001031746. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCGGCTGCTGGCACTGGCGGGCGCGCTGCTGGCGGGGCTCCGGCTCCGGAGTCTGTGCGGCC
CTCAATGTCACTGTGTCCCGGGGCCGTGTTGACTACCTGGAGGGGAGAATGCCACTCTCCTCTGC
CACGTCTCCAGAAAAGGCGGAAGGACAGCTTGTGGCCGTGCGCTGGTCTTTGCACACTCCTTCGAC
TCCAGGAGGCC TTGATGGTGAAGATGACCAAGCTCCGGTGGTGCAGTACTATGGGAATTCAGCCGC
AGCGCAAACGGCGGAGGCTGCGCTGCTGGAGGAGCAGCGGGGGCGCTCTACAGGCTCTCCGTCTTG
ACACTGCAGCCCTCCGATCAAGGCATTACGTCTGCAGAGTCCAGGAAATCAGCAGGCACAGGAACAAG
TGGACGGCCTGGTCCAATGGCTCCTCAGCCACGAAATGAGAGTCATTTCCCTCAAAGCTTCTGAAGAG
TCATCCTTTGAGAAAACAAAAGAGACTTGGGCATTTTTTGAAGATCTCTATGTGTATGCTGTCTCGTG
TGCTGCGTGGGGATCCTCAGCATTCTGCTTTCATGCTGGTCATCGTCTGGCAGTCTGTGTTAAACAAG
CGGAAATCCAGAGTGAGACATTATTTGGTGAATGCCCTCAGAACAGCTCAGGGGAGACTGCTACTAGC
GTGACCAGCTTGGCCCCACTACAGCCAAAGAGGGCAAGAGGCAGAAGGAGAAGCCTGACATTCCTCCC
GCAGTCCCTGCCAAAGCTCCGATAGCCCCACGTTCCATAAACCGAAGCTGCTGAAACCACAGAGAAAA
GTCACGCTGCCAAAGATTGCTGAGGAAACTTAACTATGCCGAAGTGGAGCTGATCAAACCCACCGG
GCTGCCAAAGGCCCCACCAGCACTGTCTACGCCAGATCTTTCGAGGAGAACAAGCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001031746

**Insert Size:** 963 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\\_001031746.4](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001031746.4)

**RefSeq Size:** 6428 bp

**RefSeq ORF:** 963 bp

<b>Locus ID:</b>	196740
<b>UniProt ID:</b>	<a href="#">Q8IW00</a>
<b>Cytogenetics:</b>	10q11.23
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	36.1 kDa
<b>Gene Summary:</b>	<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 (1) represents the longer transcript and encodes the longer isoform (1). 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.</p>