

## Product datasheet for **RC224612**

### VSTM1 (NM\_198481) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VSTM1 (NM\_198481) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** VSTM1  
**Synonyms:** S1RL-1; S1RL1; UNQ3033  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC224612 representing NM\_198481  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGCAGAATTCCTCTCCCTGCTTTGCCTCGGGCTGTGTCTGGGCTACGAAGATGAGAAAAAGAATG  
AGAAACCGCCCAAGCCCTCCCTCCACGCCTGGCCAGCTCGGTGGTTGAAGCCGAGAGCAATGTGACCCCT  
GAAGTGCAGGCTCATTCCAGAATGTGACATTTGTGCTGCGCAAGGTGAACGACTCTGGGTACAAGCAG  
GAACAGAGCTCGGCAGAAAACGAAGCTGAATCCCTTCACGGACCTGAAGCCTAAGGATGCTGGGAGGT  
ACTTTTGTGCCTACAAGACAACAGCCTCCCATGAGTGGTCAGAAAGCAGTGAACACTTGCAGCTGGTGGT  
CACAGATAAACACGATGAACTTGAAGCTCCCTCAATGAAAACAGACACCAGAACCATCTTTGTCCGCATC  
TTCAGCTGCATCTCCATCCTTCTCCTCTCAGTCTTCATCATCTACAGATGCAGCCAGCAGCGTT  
CATCATCTGAGGAATCCACCAAGAGAACCAGCCATTCCAACTTCCGGAGCARGAGGCTGCCGAGGCAGA  
TTTATCCAATATGGAAAGGGTATCTCTCTCGACGGCAGACCCCAAGGAGTGACCTATGCTGAGCTAAGC  
ACCAGCGCCTGTCTGAGGCAGCTTCAGACACCACCCAGGAGCCCCAGGATCTCATGAATATGCGGCAC  
TGAAAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC224612 representing NM\_198481  
Red=Cloning site Green=Tags(s)

MTAEFLSLLCLGLCLGYEDEKKNKPKPSLHAWPSSVVEAESNVTLCQQAHSQNVTFVLRKVNDSGYKQ  
 EQSSAENEAEFPFDLKPDKAGRYFCAYKTTASHEWSESSEHLQLVVTDKHDELEAPSMKTDTRTIFVAI  
 FSCISILLFLSVFIIYRCSQHGSSEESTKRTSHSKLPEXAAEADLSNMERVLSTADPQGVTYAELS  
 TSALSEAASDTTQEPGSHYEAALKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8013\\_g09.zip](https://cdn.origene.com/chromatograms/mk8013_g09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198481

**ORF Size:** 708 bp

**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.

**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\\_198481.1](#), [NP\\_940883.1](#)

**RefSeq Size:** 1024 bp

**RefSeq ORF:** 711 bp

**Locus ID:** 284415

**UniProt ID:** [Q6UX27](#)

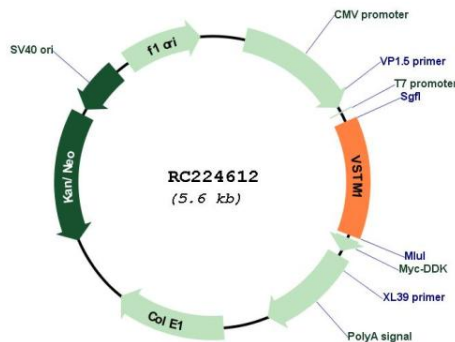
**Cytogenetics:** 19q13.42

**Protein Families:** Transmembrane

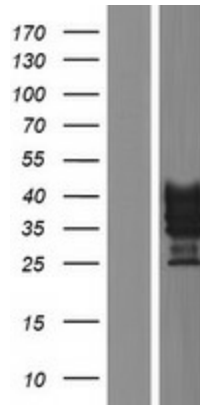
**MW:** 24.4 kDa

**Gene Summary:** Isoform 2: Behaves as a cytokine, promoting IL17A secretion by CD4+ T-cells, and differentiation and activation of IL17 producing helper T-cells (TH17).[UniProtKB/Swiss-Prot Function]

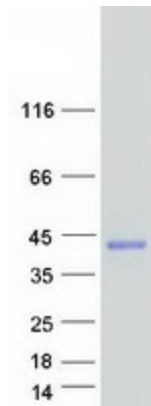
**Product images:**



Circular map for RC224612



Western blot validation of overexpression lysate (Cat# [LY404915]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224612 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VSTM1 protein (Cat# [TP324612]). The protein was produced from HEK293T cells transfected with VSTM1 cDNA clone (Cat# RC224612) using MegaTran 2.0 (Cat# [TT210002]).