

Product datasheet for **RC235732**

VSTM1 (NM_001288793) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	VSTM1
Synonyms:	SIRL-1; SIRL1; UNQ3033
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC235732 representing NM_001288793
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCGCAGAATTCCTCTCCCTGCTTTGCCTCGACACCAGAACCATCTTTGTCGCCATCTTCAGCTGCA
TCTCCATCCTTCTCCTCTTCTCCTCCTCAGTCTTCATCATCTACAGATGCAGCCAGCACAGTTTCATCATCTGA
GGAATCCACCAAGAGAACCAGCCATTCCAACTCCGGAGCAGGAGGCTGCCGAGGCAGATTTATCCAAT
ATGGAAAGGGTATCTCTCTCGACGGCAGACCCCAAGGAGTGACCTATGCTGAGCTAAGCACCAGCGCCC
TGTCTGAGGCAGCTTCAGACACCACCCAGGAGCCCCAGGATCTCATGAATATGCGGCACTGAAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235732 representing NM_001288793
Red=Cloning site Green=Tags(s)

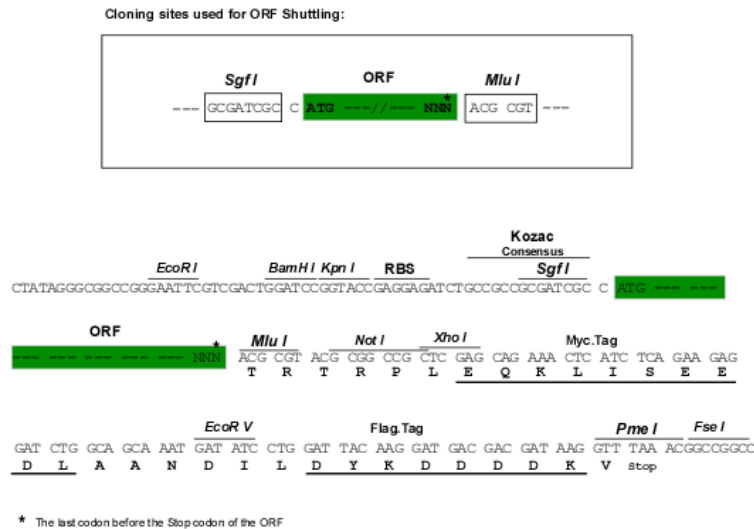
MTAEFLSLLCLDTRTIFVAIFSCISILLFLSVFIIYRCSQHSSSEESTKRTSHSKLPEQEAADLSN
MERVSLSTADPQGVTYAELSTSALSEAASDTTQEPPGSHEYAALKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001288793

ORF Size: 348 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001288793.1](#), [NP_001275722.1](#)
 RefSeq Size: 674 bp
 RefSeq ORF: 351 bp
 Locus ID: 284415
 UniProt ID: [Q6UX27](#)

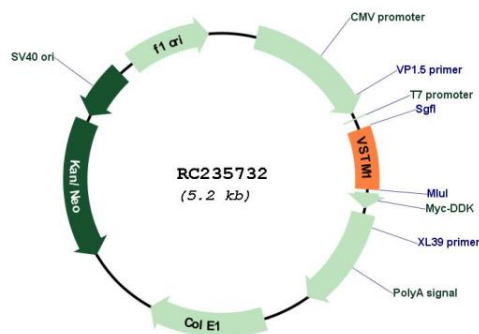
Cytogenetics: 19q13.42

Protein Families: Transmembrane

MW: 13.1 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 RC235732