

Product datasheet for **RG236556**

VSTM1 (NM_001288792) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VSTM1 (NM_001288792) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: VSTM1
Synonyms: SIRL-1; SIRL1; UNQ3033
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236556 representing NM_001288792.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGTAACCGTCAGAATTTGTAAACGACTACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCGCAGAATTCCTCTCCCTGCTTTGCCTCGGGCTGTGTCTGGGCTACGAAGATGAGAAAAGAAT
GAGAAACCGCCCAAGCCCTCCCTCCACGCTGGCCAGCTCGGTGGTTGAAGCCGAGAGCAATGTGACC
CTGAAGTGTGAGGCTCATTCCCAGAATGTGACATTTGTGCTGCGCAAGGTGAACGACTCTGGGTACAAG
CAGGAACAGAGCTCGGCAGAAAACGAAGCTGAATTCCTTACGACCTGAAGCCTAAGGATGCTGGG
AGGTACTTTTGTGCTACAAGACAACAGCTCCCATGAGTGGTCAGAAAGCAGTGAACACTTGCAGCTG
GTGGTCACAGATAAACACGATGAACTTGAAGCTCCCTCAATGAAAACAGGTTTCATCATCTGAGGAATCC
ACCAAGAGAACCAGCCATTCCAACTTCCGGAGCAGGAGGCTGCCGAGGCAGATTATCCAATATGGAA
AGGGTATCTCTCGACGGCAGACCCCAAGGAGTGACCTATGCTGAGCTAAGCACCAGCGCCCTGTCT
GAGGCAGCTTCAGACACCACCCAGGAGCCCAAGGATCTCATGAATATGCGGCACTGAAAGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236556
Blue=ORF Red=Cloning site Green=Tag(s)

```
MTAEFLSLLCLGLCLGYEDEKKNEKPPKPSLHAWPSSVVEAESNVTLKCQAHSQNVTFVLRKYVNDSGYK
QEQSSAENAEFPFDLKPDKDAGRYFCAYKTTASHEWSESSEHLQLVVTDKHDELEAPSMKTGSSEES
TKRTSHSKLPEQEAAEADLSNMERSVSLSTADPQGVTYAELSTALSAAEDTTQEPGSHYEAALKV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDVSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

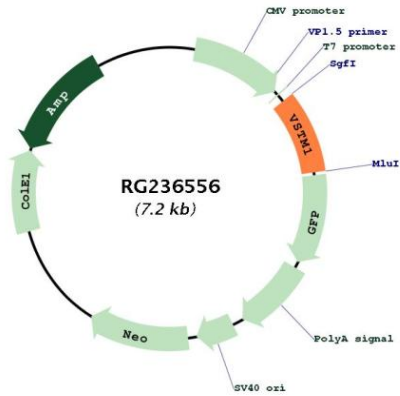
Restriction Sites: SgfI-MluI



Cloning Scheme:


- ACCN:** NM_001288792
- ORF Size:** 615 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).
- RefSeq:** [NM_001288792.1](#), [NP_001275721.1](#)
- RefSeq Size:** 941 bp
- RefSeq ORF:** 618 bp
- Locus ID:** 284415
- UniProt ID:** [Q6UX27](#)
- Cytogenetics:** 19q13.42
- Protein Families:** Transmembrane
- MW:** 22.9 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 RG236556