

# Recombinant Human VSTM1 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51051

Size: 10ug, 100ug

Protein Name: V-set and transmembrane domain-containing protein 1 (Signal inhibitory receptor on leukocytes-1) (SIRL-1)

Synonym: VSTM1, UNQ3033/PRO9835

UniProt ID: Q6UX27

UniProt Link: [www.uniprot.org/uniprotkb/Q6UX27/entry](http://www.uniprot.org/uniprotkb/Q6UX27/entry)

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 236 AA

Molecular Weight: 26 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MTAEFLSLLCLGLCLGYEDEKKNEKPPKPSLHAWPSSVVEAESNVTLKCQAHSQNVTFVLRKVND  
SGYKQEQSSAENAEFPFTDLKPKDAGRYFCAYKTTASHEWSESSEHLQLVVTDKHDELEAPSMKTD  
TRTIFVAIFSCISILLFSLVFIYRCSQHSSSSSEESTKRTSHSKLPEQEAAEADLSNMERVSLSTADPQ  
GVTYAELSTSALSEAASDTTQEPPGSHEYAALKV

## 3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

## 5. Product Description

This product is recombinant V-set and transmembrane domain-containing protein 1 (Signal inhibitory receptor on leukocytes-1) (SIRL-1) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: [Isoform 2]: Behaves as a cytokine, promoting IL17A secretion by CD4+ T-cells, and differentiation and activation of IL17 producing helper T-cells (TH17).; [Isoform 1]: Inhibitory immune receptor involved in the regulation of phagocytes.

Subcellular Localization: [Isoform 1]: Membrane ; Single-pass membrane protein .; [Isoform 2]: Secreted .

## 6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.