

Human VSTM1 Protein (His Tag)

Catalog Number: 13171-H08H



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Biological Solution Specialist

General Information

Gene Name Synonym:

SIRL-1; SIRL1; UNQ3033

Protein Construction:

A DNA sequence encoding the human VSTM1 (Q6UX27-16) extracellular domain (Met 1-Thr 135) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Tyr 17

Molecular Mass:

The recombinant human VSTM1 consists of 130 amino acids and has a predicted molecular mass of 15 kDa. The apparent molecular mass of the protein is approximately 25-35 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

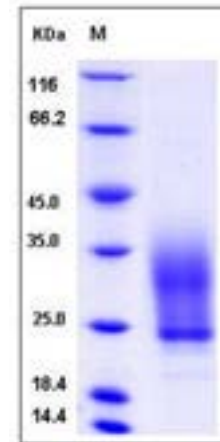
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

V-set and transmembrane domain containing 1 (VSTM1) is a protein containing the V-set domains. V-set domains are immunoglobulin-like domains resembling the antibody variable region. V-set domains are found in many kinds of protein families, including immunoglobulin light and heavy chains, several T-cells such as CD2, CD4, CD80, and CD86, myelin membrane adhesion molecules, junction adhesion molecules (JAM), tyrosine-protein kinase receptors, and the programmed cell death protein1.

References

1. Satow Y, et al. (1986) Phosphocholine binding immunoglobulin Fab McPC603. An X-ray diffraction study at 2.7 Å. J Mol Biol. 190 (4): 593-604.
2. Rees DC, et al. (2009) ABC transporters: the power to change. Cell Biol. 10 (3): 218-227.

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