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Datasheet for ABIN7275846

VSTM5 Protein (AA 29-147) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	VSTM5
Protein Characteristics:	AA 29-147
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VSTM5 protein is labelled with Fc Tag.

Product Details

Purpose:	Human VSTM5 Protein
Sequence:	Leu29-His147
Characteristics:	Recombinant Human VSTM5 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu29-His147.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	VSTM5
Alternative Name:	VSTM5 (VSTM5 Products)

Target Details

Background: V-set and transmembrane domain-containing protein 5 (Vstm5), a cell-adhesion-like molecule belonging to the Ig superfamily, was found in mouse brain. Knock-down of Vstm5 in cultured hippocampal neurons markedly reduced the complexity of dendritic structures, as well as the number of dendritic filopodia. Vstm5 also regulates neuronal morphology by promoting dendritic protrusions that later develop into dendritic spines.

Molecular Weight: 40 kDa. Due to glycosylation, the protein migrates to 52-56 kDa based on Tris-Bis PAGE result.

UniProt: [A8MXK1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

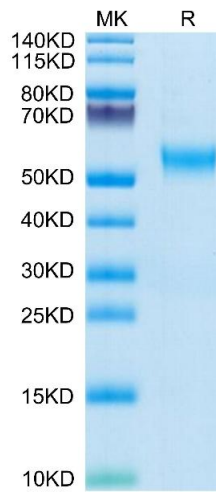
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

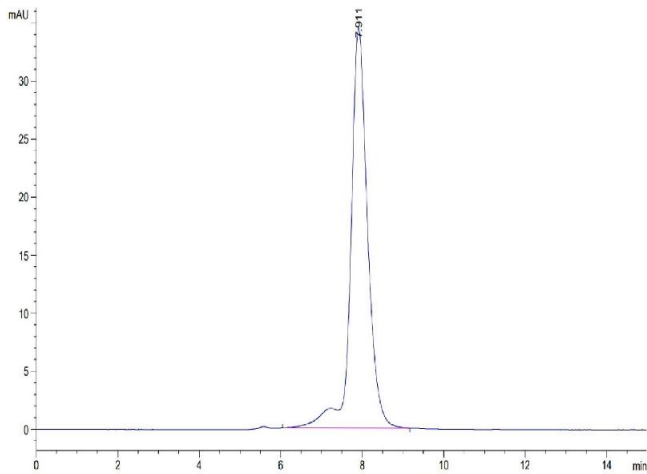
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human VSTM5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human VSTM5 is greater than 95 % as determined by SEC-HPLC.