

Human VSTM5 Protein

Cat. No. VSM-HM205



Description

Source	Recombinant Human VSTM5 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Leu29-His147.
Accession	A8MXK1
Molecular Weight	The protein has a predicted MW of 40 kDa. Due to glycosylation, the protein migrates to 52-56 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

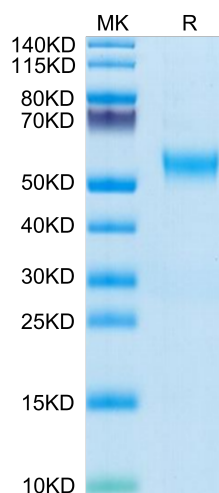
Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

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.

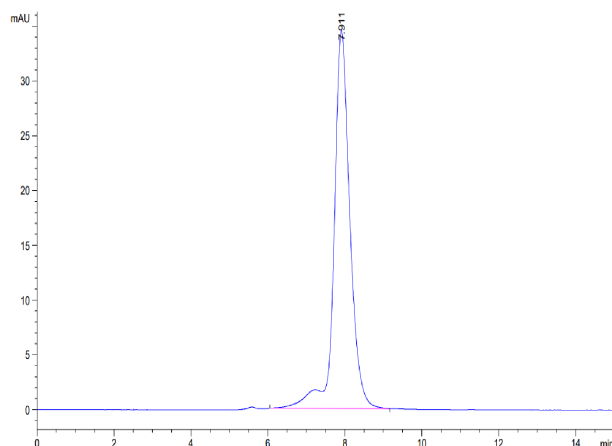
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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