PRODUCT INFORMATION

Target	VSTM5
Synonyms	C11orf90
Description	Recombinant Human VSTM5 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	A8MXK1
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	VSTM5(Leu29-His147) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 39.4 kDa after removal of the signal peptide. The apparent molecular mass of VSTM5-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Cell adhesion-like membrane protein of the central nervous system (CNS) which modulates both the position and complexity of central neurons by altering their membrane morphology and dynamics. Involved in the formation of neuronal dendrites and protrusions including dendritic filopodia. In synaptogenesis, regulates synapse formation by altering dendritic spine morphology and actin distribution. Promotes formation of unstable neuronal spines such as thin and branched types. Regulates neuronal morphogenesis and migration during cortical development in the brain.[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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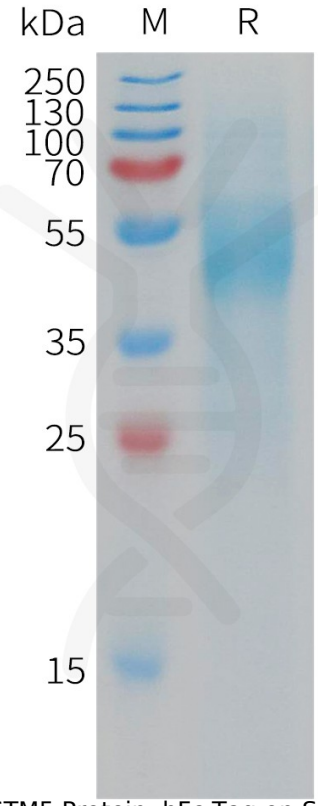


Figure 1. Human VSTM5 Protein, hFc Tag on SDS-PAGE under reducing condition.

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