HUMAN VSTM5 PROTEIN, HFC TAG

Cat.#: 11855

Product Name: Human VSTM5 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: C11orf90

Target: VSTM5

UNIPROT ID: A8MXK1

Description: Recombinant Human VSTM5 Protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: VSTM5(Leu29-His147) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

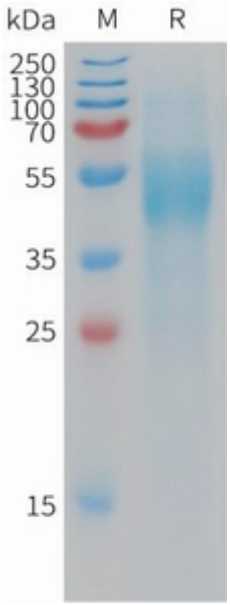

Figure 1. Human VSTM5 Protein, hFc Tag on SDS-PAGE under reducing condition.