VSTM5 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P78050
Synonyms:	C11orf90; VSTM5
Species:	Mouse
Source:	HEK293
Accession:	Q9D806 (L28-H146)
Gene ID:	69137
Molecular Weight:	55-65 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	VSTM5 protein, a cell adhesion-like membrane protein of the central nervous system (CNS), plays a crucial role in modulating the position and complexity of central neurons by altering their membrane morphology and dynamics. It actively participates in the formation of neuronal dendrites and protrusions, including dendritic filopodia, and regulates synapse formation by altering dendritic spine morphology and actin distribution during synaptogenesis. Moreover, VSTM5 promotes the formation of unstable neuronal spines, such as thin and branched types, and exerts control over neuronal morphogenesis and migration during cortical development in the brain. Additionally, VSTM5 can oligomerize through cis interactions within the same cell membrane, further contributing to its functional versatility.

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