Rhesus macaque FAM171A2 Protein

Cat. No. FAM-RM1A2

Description

Source	Recombinant Rhesus macaque FAM171A2 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Lys30-Thr315.
Accession	A0A1D5QCN3
Molecular Weight	The protein has a predicted MW of 32.31 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

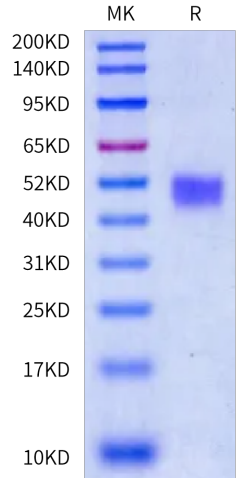
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The FAM171A2 gene encodes a transmembrane protein, it is implicated in signaling, vesicle trafficking, and interactions with the extracellular matrix. According to the Human Protein Atlas, it is predicted to localize to the membrane, and recent data suggests interaction with DYNLL1 (Dynein Light Chain LC8-Type 1), implying a role in intracellular transport mechanisms. Emerging studies indicate that FAM171A2 may act as a neuronal receptor involved in the endocytosis of pathological α-synuclein fibrils. Overexpression of FAM171A2 promotes uptake and propagation of these fibrils, while neuronal knockdown exhibits protective effects.

Assay Data

Bis-Tris PAGE



Rhesus macaque FAM171A2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.