Human TAFA2/FAM19A2 Protein

Cat. No. FAM-HM2A2

Description

Source	Recombinant Human TAFA2/FAM19A2 Protein is expressed from HEK293 with hFc tag at the N-terminus.
	It contains Ala31-His131.
Accession	Q8N3H0-1
Molecular Weight	The protein has a predicted MW of 36.74 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

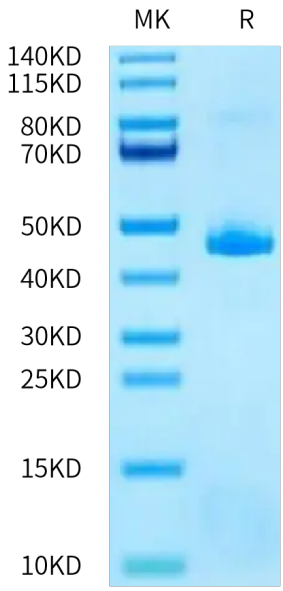
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

Tafa is a family of small secreted proteins with conserved cysteine residues and restricted expression in the brain. It is composed of five highly homologous genes referred to as Tafa-1 to -5. FAM19A2/TAFA-2 induces skeletal stem cell migration through the activation of Rac1-p38 signaling and is highly abundant in the central nervous system and MIP1α regulates energy balance.

Assay Data

Bis-Tris PAGE



Human TAFA2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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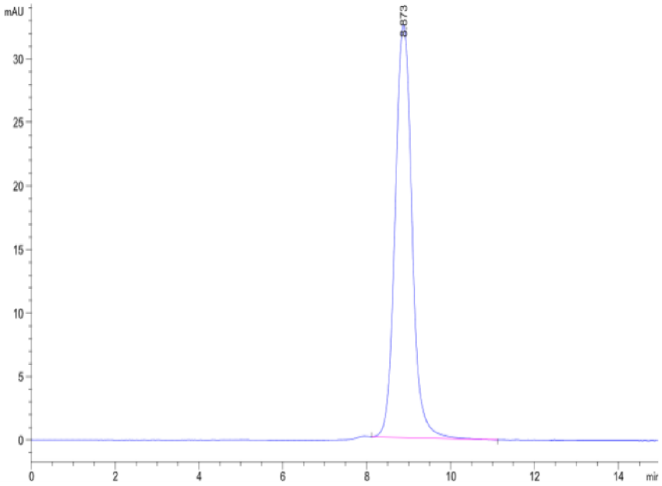

The purity of Human TAFA2 is greater than 95% as determined by SEC-HPLC.