Human RGM-B Protein

Cat. No. RGM-HM10B

Description

Source	Recombinant Human RGM-B Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gly46-Asn413.
Accession	Q6NW40
Molecular Weight	The protein has a predicted MW of 41.88 kDa. Due to autocatalytic cleavage, the protein migrates to 20 kDa and 33-40 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
	> 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	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

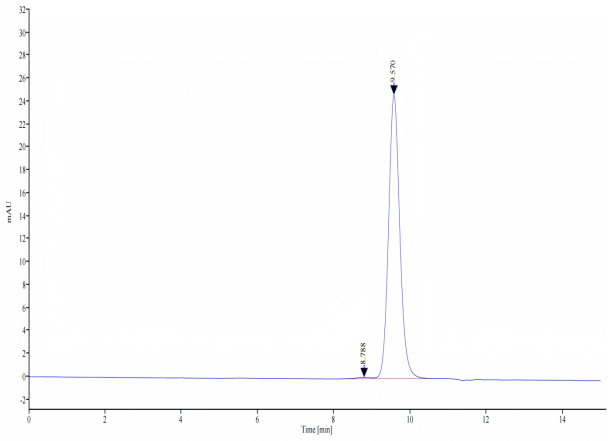
RGM gene family ('Repulsive Axonal Guidance molecules' A, B and C),both RGM A and B are mostly expressed in central nervous system, while RGM C is exclusively expressed in all striated muscle and in the myocardium. RGM A and B appear at every level of the developing neural axis, where they colocalize to a large extent in the mantle layer, although only RGM A appears in the neuroepithelium, and only RGM B in the peripheral nervous system.

Assay Data

Bis-Tris PAGE

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

SEC-HPLC



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