Biotinylated Human RGM-C Protein

Cat. No. RGM-HM60CB

Description

Source	Recombinant Biotinylated Human RGM-C Protein is expressed from HEK293 with Avi tag at the C-terminus.
	It contains Gln36-Asp400.
Accession	Q6ZVN8-1
Molecular Weight	The protein has a predicted MW of 40 kDa (mature), 26 kDa (C-terminus peptide) and 14 kDa (N-terminus peptide). Due to furin cleavage site, the protein migrates to 55-60 kDa, 30-40 kDa, 20-25 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

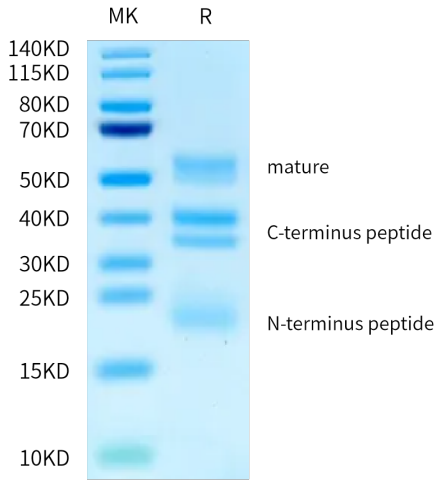
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

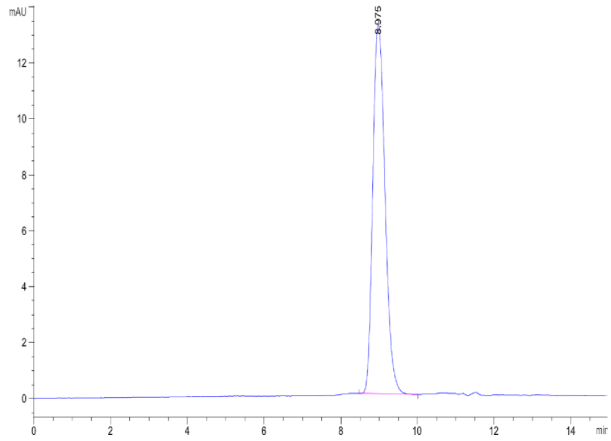
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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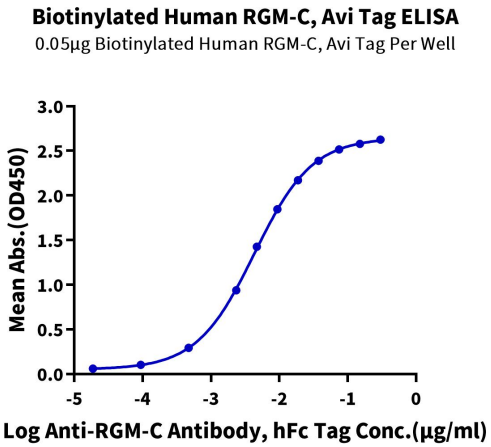
Assay Data

ELISA Data



Immobilized Biotinylated Human RGM-C, Avi Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-RGM-C Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA (QC Test).