

Human RGM-C Protein

Cat. No. RGM-HM20C



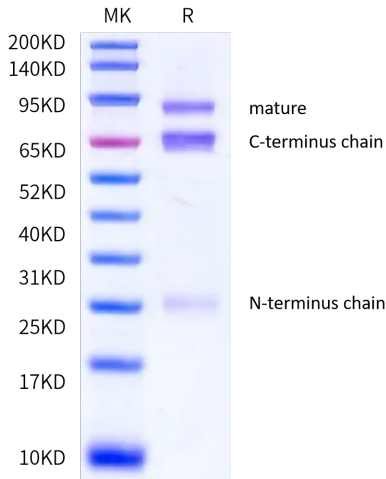
Description	
Source	Recombinant Human RGM-C Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Gln36-Asp400.
Accession	Q6ZVN8-1
Molecular Weight	The protein has a predicted MW of 64.81 kDa. Due to autocatalytic cleavage, the protein migrates to 80-90 kDa (mature), 60-70 kDa (C-terminus chain) and 22-27 kDa (N-terminus chain) 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, 200mM L-Arginine (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.	

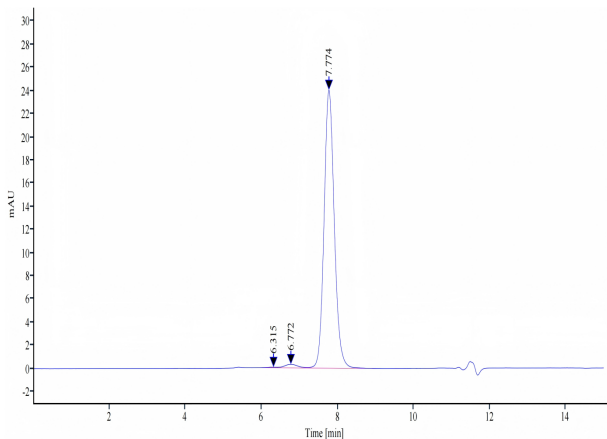
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



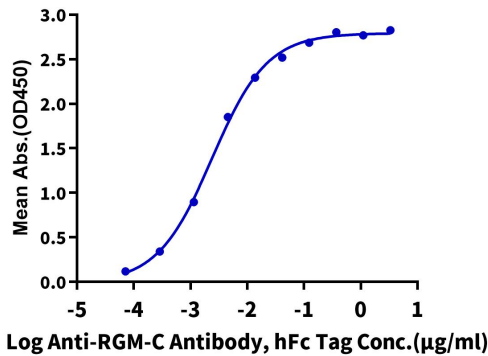
The purity of Human RGM-C is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human RGM-C, hFc Tag ELISA

0.05µg Human RGM-C, hFc Tag Per Well



Immobilized Human RGM-C, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-RGM-C Antibody, hFc Tag with the EC50 of 2.4ng/ml determined by ELISA.