RGM-C Protein, Human (HEK293, His)

Cat. No.:	HY-P78028
Synonyms:	Hemojuvelin; Rgmc; DL-M; HFE2; HFE2AMGC23953; HJV; JH; RGMC; RGM-C
Species:	Human
Source:	HEK293
Accession:	Q6ZVN8-1 (Gln33-Asp393)
Gene ID:	148738
Molecular Weight:	55-60 kDa&30-40 kDa&20-25 kDa

PROPERTIES

Biological Activity	Immobilized Human RGM-C, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-RGM-C Antibody, hFc Tag with the EC_{50} of 7.8ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	RGM-C operates as a bone morphogenetic protein (BMP) coreceptor, contributing to the modulation of BMP signaling and playing a crucial role in the regulation of hepcidin (HAMP) expression, thereby influencing iron homeostasis. This protein interacts with BMP2, BMP4, BMP6, BMPR1B, and TMPRSS6, forming a network of molecular associations that collectively contribute to its role in mediating BMP-related signaling pathways and iron regulation.

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