

Biotinylated Recombinant Human RGMA Protein

Catalog No.: RP02556B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	56963	Q96B86-1

Tags

C-His&Avi

Synonyms

RGMA; RGM

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
44.5 kDa	45-48 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Repulsive guidance molecule (RGM) is a glycosylphosphatidylinositol (GPI)-anchored glycoprotein that has diverse functions in the developing and pathological central nervous system (CNS). The binding of RGM to its receptor neogenin regulates axon guidance, neuronal differentiation, and survival during the development of the CNS. RGMa induces T cell activation in experimental autoimmune encephalomyelitis (EAE), which is the animal model of multiple sclerosis (MS).

Basic Information

Description

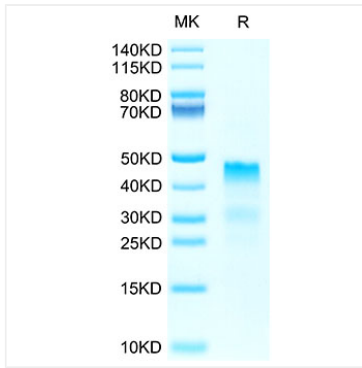
Biotinylated Recombinant Human RGMA Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Cys48-Gly422) of Human RGMA fused with a His and Avi tag at the C-terminal.

Bio-Activity

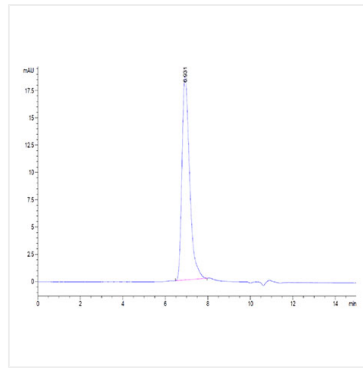
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



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



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