

Biotinylated Recombinant Human RGMA Protein

Catalog No.: RP02556B

Sequence Information

Species	Gene ID
Human	56963
Swiss Prot	Tags
Q96B86-1	C-His&Avi
Synonyms	
RGMA; RGM	

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by 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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

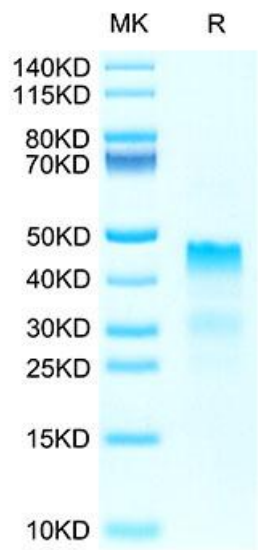
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

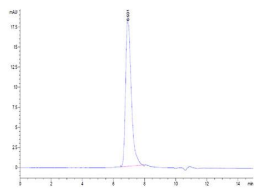
Contact

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Validation Data



Biotinylated Recombinant Human RGMA Protein was determined by Tris-Bis PAGE under reducing conditions.



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