

Recombinant Human RGMA Protein

Catalog No.: RP00228

Sequence Information

Species **Gene ID**
Human 56963

Swiss Prot **Tags**
Q96B86 C-His

Synonyms

RGMA, RGM, repulsive guidance molecule A, RGM

Product Information

Source **Purification**
HEK293 cells ≥ 90 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
42.41 kDa 25-40, 60 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial 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

RGMA, also known as RGM domain family, member A, belongs to the RGM (repulsive guidance molecule) family whose members are membrane-associated glycoprotein. RGMA is a glycosylphosphatidylinositol-anchored glycoprotein that functions as an axon guidance protein in the developing and adult central nervous system. It helps guide Retinal Ganglion Cell (RGC) axons to the tectum in the midbrain. RGMA has been implicated to play an important role in the developing brain and in the scar tissue that forms after a brain injury. This protein may also function as a tumor suppressor in some cancers.

Basic Information

Description

Recombinant Human RGMA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Cys48-Gly422) of human RGMA (Accession #NP_064596.2) fused with a 6×His tag at the C-terminus.

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.

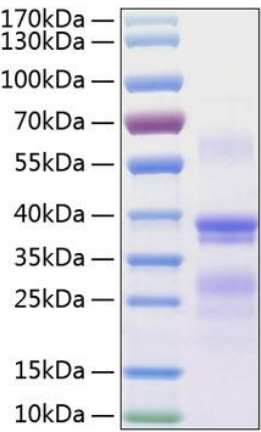
Contact

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Validation Data



Recombinant Human RGMA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.