

Recombinant Human RGMA Protein (HEK293 Cells, His Tag)



Catalog Number:PKSH030908

Note: Centrifuge before opening to ensure complete recovery of vial contents.

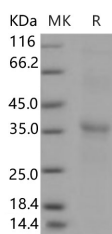
Description

Synonyms	Repulsive guidance molecule A;RGM domain family member A;RGM
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Gly 422
Accession	NP_064596.2
Calculated Molecular Weight	43.0 kDa
Observed molecular weight	36 kDa
Tag	C-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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.

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