

Datasheet for ABIN7275514

**RGMA Protein (AA 48-422) (His-Avi Tag,Biotin)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	RGMA
Protein Characteristics:	AA 48-422
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGMA protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Human RGMA Protein
Sequence:	Cys48-Gly422
Characteristics:	Recombinant Biotinylated Human RGMA Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Cys48-Gly422.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	RGMA
Alternative Name:	RGMA ( <a href="#">RGMA Products</a> )

## Target Details

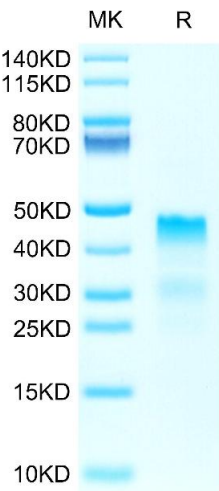
Background:	Repulsive guidance molecule (RGM) is a glycosylphosphatidylinositol (GPI)-anchored glycoprotein that has diverse functions in the developing and pathological central nervous system (CNS). The binding of RGM to its receptor neogenin regulates axon guidance, neuronal differentiation, and survival 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).
Molecular Weight:	44.5 kDa. Due to glycosylation, the protein migrates to 45-48 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Tube Formation</a>

## Application Details

Restrictions:	For Research Use only
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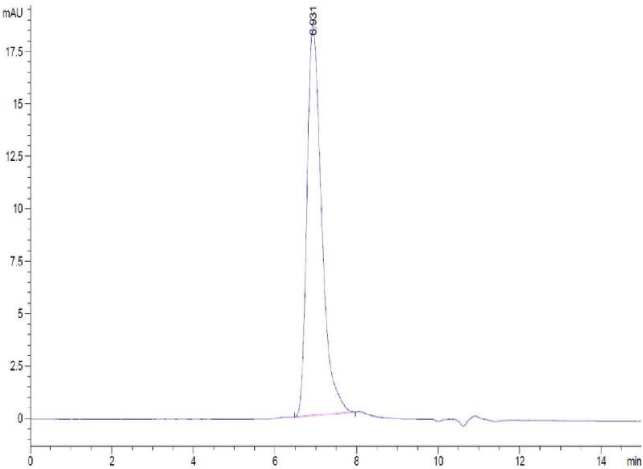
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Biotinylated Human RGMa on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Human RGMa is greater than 95 % as determined by SEC-HPLC.