Datasheet for ABIN6938839

MAG Protein (AA 20-516) (Fc Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	MAG
Protein Characteristics:	AA 20-516
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAG protein is labelled with Fc Tag.

Product Details

Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	MAG
Alternative Name:	MAG / Siglec-4a (MAG Products)
Background:	Myelin-associated glycoprotein (MAG), a nervous system cell adhesion molecule, is an I-type lectin that binds to sialylated glycoconjugates, including gangliosides bearing characteristic structural determinants. Preferentially binds to alpha-2,3-linked sialic acid. Binds ganglioside Gt1b. Adhesion molecule that mediates interactions between myelinating cells and neurons by binding to neuronal sialic acid-containing gangliosides and to the glycoproteins RTN4R and RTN4RL2. Protection against apoptosis is probably mediated via interaction with neuronal

Target Details

	RTN4R and RTN4RL2. In dorsal root ganglion neurons the inhibition is mediated primarily via binding to neuronal RTN4R or RTN4RL2 and to a lesser degree via binding to neuronal gangliosides. In cerebellar granule cells the inhibition is mediated primarily via binding to neuronal gangliosides. In sensory neurons, inhibition of neurite extension depends only partially on RTN4R, RTN4RL2 and gangliosides.
Molecular Weight:	81.1 kDa
NCBI Accession:	NP_002352
Pathways:	Neurotrophin Signaling Pathway

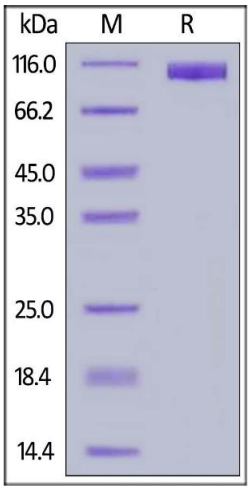
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Human MAG, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .