

# Recombinant Human MAG protein (rFc Tag)

Catalog Number: Eg2975

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;0.1 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human MAG protein Gly20-Pro516 (Accession# P20916-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

4099

**Accession:**

P20916-1

**Predicted Molecular Mass:**

80.7 kDa

**SDS-PAGE:**

90-120 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

MAG (myelin associated glycoprotein) is a 100-kDa transmembrane glycoprotein that is a member of the SIGLEC family of proteins. MAG is localized in periaxonal Schwann cell and oligodendroglial membranes of myelin sheaths where it functions in glia-axon interactions. It is a functional ligand for the Nogo-66 receptor. MAG is a cell adhesion molecule for postnatal neural development and is thought to be involved in the process of myelination.

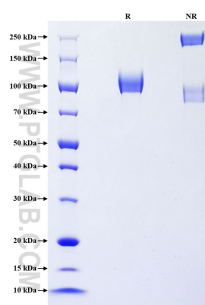
## References

1. Quarles RH. (2007) J Neurochem. 100(6):1431-48.
2. Liu BP. et al. (2002) Science. 297(5584):1190-3.

## Synonyms

MAG, GMA, myelin associated glycoprotein, S MAG, SIGLEC 4A

## Selected Validation Data



Purity of Recombinant Human MAG was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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