For Research Use Only

Recombinant Mouse MAG protein (rFc Tag)

www.ptgcn.com

Catalog Number: Eg6788

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Mouse MAG protein Gly20-Pro516 (Accession# P20917-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
17136

Accession:
P20917-1

Predicted Molecular Mass:
80.4 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Myelin-associated glycoprotein (MAG) is a type I trans-membrane glycoprotein that belongs to the immunoglobulin (Ig) super-family. It contains five extracellular Ig-like domains, a single trans-membrane segment and one of two alternatively spliced cytoplasmic tails. MAG is expressed exclusively by myelinating glia—oligodendrocytes in the central nervous system (CNS) and Schwann cells in the peripheral nervous system (PNS)—where it localises to the periaxonal, non-compacted regions of the myelin sheath.

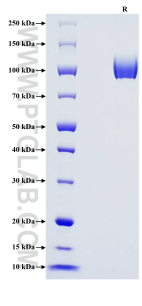
References

Schnaar, Ronald L, and Pablo H H Lopez. Journal of neuroscience research vol. 87,15 (2009): 3267-76.

Synonyms

Myelin-associated glycoprotein, Siglec-4a

Selected Validation Data



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