

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

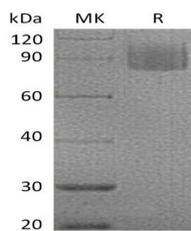
Description

Synonyms	Myelin-Associated Glycoprotein;MAG;Siglec-4a
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Gly20-Pro516
Accession	P20917
Calculated Molecular Weight	55.7 kDa
Observed molecular weight	70-120 kDa
Tag	C-His

Properties

Purity	> 95 % 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 a 0.2 µm filtered solution of 20mM HEPES,150mM NaCl,1mM EDTA,pH7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the pr
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Myelin-Associated Glycoprotein (MAG, Siglec-4a), is a type I transmembrane glycoprotein belonging to the Siglec family. It is composed of an extracellular segment containing five Ig-like domains, a single transmembrane segment, and a cytoplasmic domain. Mouse MAG shares 95% and 99% aa sequence identity with human and rat MAG, respectively. MAG functions as an adhesion molecule during neural development. It preferentially binds to alpha -2,3-linked sialic acid terminal structures found on cell surface molecules. MAG is selectively expressed by myelinating oligodendrocytes and Schwann cells and plays an important role in axon-myelin stability. MAG is also reported to regulate the axon cytoskeleton and support the distribution of axon molecules at the nodes of Ranvier. In addition, it has been identified as a

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Recombinant Mouse MAG/Siglec-4a Protein (His Tag)

Catalog Number: PKSM041303



major inhibitor of neurite outgrowth.

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