

Datasheet for ABIN2115429

## MAG Protein (AA 20-516) (His tag)



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### Overview

Quantity:	50 µg
Target:	MAG
Protein Characteristics:	AA 20-516
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAG protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Myelin-Associated Glycoprotein/MAG/Siglec-4a (C-6His)
Sequence:	<p>           GHWGAWMPSS ISAFEGTCVS IPCRFDFPDE LRPAVHGVW YFNSPYPKNY PPVFKSRTQ            VVHESFQGRS RLLGDLGLRN CTLLLSNVSP ELGGKYFRG DLGGYNQYTF SEHSVLDIVN            TPNIVVPPEV VAGTEVEVSC MVPDNCPELR PELSWLGHEG LGEPAVLGRL REDEGTWVQV            SLLHFVPTRE ANGHR LGCQA SFPNTTLQFE GYASMDVKYP PVIVEMNSSV EAIEGSHVSL            LCGADSNPPP LLTWMRDGTV LREAVAESLL LELEEVTPAE DGVYACLAEN AYGQDNRTVG            LSVMYAPWKP TVNGTMVAVE GETVSILCST QSNPDILTI FKEKQILSTV IYSELQLEL            PAVSPEDDGE YWCVAENQYG QRATAFNLSV EFAPVLLLES HCAAARDTVQ CLCVVKSNE            PSVAFELPSR NVTVNESERE FVYSERSGLV LTSILTLRGQ AQAPPRVICT ARNLYGAKSL            ELPFQGAHRL MWAKIGPVDH HHHHH         </p>
Characteristics:	<p>Recombinant Human Myelin-Associated Glycoprotein/MAG is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gly20-Pro516) of Human MAG fused with a polyhistidine tag at the C-terminus.</p>

## Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	MAG
Alternative Name:	MAG ( <a href="#">MAG Products</a> )
Background:	<p>Myelin-associated glycoprotein is also known as Siglec-4a, MAG and GMA, is a member of the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. MAG is a single-pass type I membrane protein and contains four Ig-like C2-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. MAG is an adhesion molecule in postnatal neural development that mediates sialic-acid dependent cell-cell interactions between neuronal and myelinating cells. MAG is a functional ligand of the Nogo-66 receptor. MAG is thought to be involved in myelination during nerve regeneration.</p> <p>Synonyms: Myelin-Associated Glycoprotein, Siglec-4a, MAG, GMA</p>
Molecular Weight:	55.7 kDa
UniProt:	<a href="#">P20916</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

## Handling

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Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.