

## Recombinant Human MAG Protein, His-SUMO-tagged

**Cat. No.** MAG-1270H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MAG Protein (20-516aa) was expressed in E. coli with N-terminal His-SUMO-tag.                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 20-516 a.a.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | The protein encoded by this gene is a type I membrane protein and member of the immunoglobulin superfamily. It is thought to be involved in the process of myelination. It is a lectin that binds to sialylated glycoconjugates and mediates certain myelin-neuron cell-cell interactions. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 70.7 kDa                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | GHWGAWMPSSISAFEGTCVSIPCRFDFPDELPAVVHGVWYFNSPYPKNYPPVVF<br>KSRTQVVHESFQGRSRLGDLGLRNCTLLLSNVSPELGGKYYFRGDLGGYNQYTFS<br>EHSVLDIVNTPNIVPPEVVAGTEVEVSCMVDPDNCPELRPELSWLGHEGLGEPAVLG<br>RLREDEGTWVQVSLLFVPTREANGHRLGCQASFPNTTLQFEGYASMDVKYPPVIV<br>EMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGTVLREAVAESLLLEEEVTPAED<br>GVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQSNPDPI                                 |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

LTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVAENQYGQRATAFNLSVEFAPV  
 LLLSHCAAARDTVQCLCVVKSNPESVAFELPSRNVTVNESEREFVYSERSGLVLT  
 SILTLRGQAQAPPRVICTARNLYGAKSLELPFQGAHRLMWAKIGP

**Purity** Greater than 90% as determined by SDS-PAGE.

**Storage** The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

## GENE INFORMATION

**Gene Name** MAG myelin associated glycoprotein [ Homo sapiens (human) ]

**Official Symbol** MAG

**Synonyms** GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A; sialic acid binding Ig-like lectin 4A; sialic acid-binding immunoglobulin-like lectin 4A

**Gene ID** 4099

**mRNA Refseq** NM\_002361.3

**Protein Refseq** NP\_002352.1

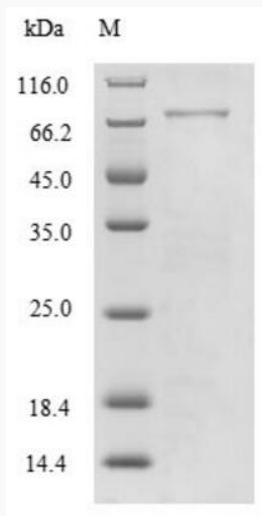
**MIM** 159460

**UniProt ID** P20916

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