# Recombinant Full Length Human MAG Protein, C-Flag-tagged

**Cat. No.** MAG-1466HFL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Full Length Human MAG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **Description** | 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. |
| **Form** | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| **Molecular Mass** | 67.1 kDa |
| **AA Sequence** | MIFLTALPLFWIMISASRGGHWGAWMPSSISAFEGTCVSIPCRFDFPDELRPAVVHG VWYFNSPYPKNYP PVVFKSRTQVVHESFQGRSRLLGDLGLRNCTLLLSNVSPELG GKYYFRGDLGGYNQYTFSEHSVLDIVNT PNIVVPPEVVAGTEVEVSCMVPDNCPEL RPELSWLGHEGLGEPAVLGRLREDEGTWVQVSLLHFVPTREA NGHRLGCQASFP NTTLQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGT VL REAVAESLLLELEEVTPAEDGVYACLAENAYGQDNRTVGLSVMYAPWKPTVNG TMVAVEGETVSILCSTQ SNPDPILTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWC VAENQYGQRATAFNLSVEFAPVLLLESH CAAARDTVQCLCVVKSNPEPSVAFELPS |

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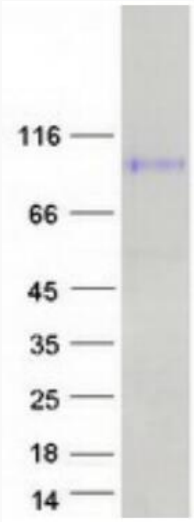
| | |
|---|---|
| | RNVTVNESEREFVYSERSGLVLTSILTLRGQAQAPPRVICTA RNLYGAKSLELPFQG AHRLMWAKIGPVGAVVAFAILIAIVCYITQTRRKKNVTESPSFSAGDNPPVLFSS DFRI SGAPEKYESERRLGSERRLLGLRGEPPELDLSYSHSDLGKRPTKDSYTLTEELAEYA EIRVKTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade. |
| **Concentration** | >50 ug/mL as determined by microplate BCA method. |
| **Preparation** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Protein Families** | Druggable Genome, Transmembrane |
| **Protein Pathways** | Cell adhesion molecules (CAMs) |
| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | MAG myelin associated glycoprotein [ Homo sapiens (human) ] |
| **Official Symbol** | MAG |
| **Synonyms** | GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A |

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| **Gene ID** | 4099 |
| **mRNA Refseq** | NM_002361.4 |
| **Protein Refseq** | NP_002352.1 |
| **MIM** | 159460 |
| **UniProt ID** | P20916 |




Coomassie blue staining of purified MAG protein.

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