

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

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

SPECIFICATION

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	MIFLTALPLFWIMISASRGGHWGAWMPSSISAFEGTCVSIPCRFDFPDELRPAAVHVG VWYFNSPYPKNYP PVVFKSRTQVVHESFQGRSRLGLDLGLRNCTLLLSNVSPELG GKYYFRGDLGGYNQYTFSEHSVLDIVNT PNIVVPPEVVAGTEVEVSCMVPDNCPEL RPELSWLGHGELGEPVGLRLREDEGTWWQVSLHVFPTREA NGHRLGCQASFP NTTLQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSLLCGADSNPPPLL TWMRDGT VL REAVAESLLLEEVTPAEDGVYACLAENAYGQDNRTVGLSVMYAPWKPTVNG TMVAVEGETVSILCSTQ SNPDPIITIFKEKQILSTVIYESELQLELPAVSPEDDGEYWC VAENQYQQRATAFNLSVEFAPVLLLESH CAAARDTVQCLCVKSNPEPSVAFELPS

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RNVTVNESEREFVYSERSGLVLTSILTRGQAQAPPRVICTA 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

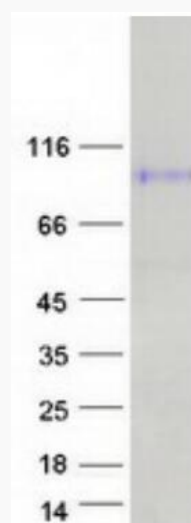
Gene Name	MAG myelin associated glycoprotein [Homo sapiens (human)]
Official Symbol	MAG
Synonyms	GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A

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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.