

Recombinant Human MAG Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAG-1067H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAG MS Standard C13 and N15-labeled recombinant protein (NP_002352) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	69.1 kDa
AA Sequence	MIFLTALPLFWIMISASRGGHWGAWMPSSISAFEGTCVSIPCRFDFPDELRPVVHG VWYFNSPYPKNYPPVVKSRQTQVHESFQGRSRLGLDLGRNCTLLLSNVSPELGG KYYFRGDLGGYNQYTFSEHSVLDIVNTPNIVPPEVVAGTEVEVSCMVPDNCPELRP ELSWLGHEGLGEPAVLGRLREDEGTWVQVSLHVFVPTREANGHRLGCQASFPNTT LQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSLLCGADSNNPPPLLTWMRDGTVLR EAVAESLLLEEEVTPAEDGVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVA VEGETVSILCSTQSNPDPILTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVVAEN QYGQRATAFNLSVEFAPVLLLESHCAAARDTVQCLCVVKSNPESVAFELPSRNV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

VNESEREFVYSERSGLVLTSILTLRGQAQAPPRVICTARNLYGAKSLELPFQGAHRL
MWAKIGPVGAVVAFAILIAIVCYITQTRRKKNVTESPSFSAGDNPPVLFSSDFRISGAP
EKYESERRLGSERRLLGLRGEPPELDLSYSHSDLGKRPTKDSYTLTEELAEYAEIRV
KTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol MAG

Synonyms MAG; myelin associated glycoprotein; GMA; myelin-associated glycoprotein; S MAG; sialic acid binding Ig like lectin 4A; SIGLEC 4A; SIGLEC4A; sialic acid binding Ig-like lectin 4A; sialic acid-binding immunoglobulin-like lectin 4A; S-MAG; SIGLEC-4A;

Gene ID 4099

mRNA Refseq NM_002361

Protein Refseq NP_002352

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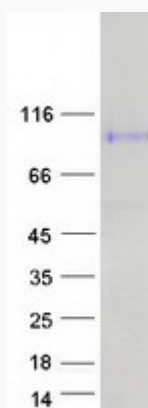
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MIM 159460

UniProt ID P20916

SDS-PAGE



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