

Recombinant Human MAG Protein, His-tagged

Cat. No. MAG-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAG, transcript variant 1, fused with His tag at C-terminal was expressed in HEK293.
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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH7.2
Molecular Mass	55.7kD
AA Sequence	GHWGAWMPSSISAFEGTCVSIPCRDFDPDELRLPAVVHGVWYFNSPYPKNYPPVVF KSRTQVVHESFQGRSRLGDLGLRNCTLLSNVSPELGGKYYFRGDLGGYNQYTFS EHSVLDIVNTPNIVPPEVVAGTEVEVSCMVPDNCPELRPELSWLGHEGLGEPAVLG RLREDEGTWVQVSLHLFVPTREANGHRLGCGQASFPNTTLQFEGYASMDVKYPPVIV EMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGTVLREAVAESLLLEEEVTPAED GVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQSNPDPI LTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVAENQYGQRATAFNLSVEFAPV LLLSHCAAARDTVQCLCVVKSNEPSVAFELPSRNVTVNESEREFVYSERSGLVLT

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SILTLRGQAQAPPRVICTARNLYGAKSLELPFQGAHRLMWAKIGPVDHHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name MAG myelin associated glycoprotein [Homo sapiens]

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

MIM 159460

UniProt ID P20916

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