

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	<p> GHWGAWMPSSISAFEGTCVSIPCRFDFPDELRPVVHGVWYFNSPYPKNYPPVVF KSRTQVVHESFQGRSRLLDLGLRNCTLLLSNVSPELGGKYYFRGDLGGYNQYTFS EHSVLDIVNTPNIVPPEVVAGTEVEVSCMVPDNCPELRPELSWLGHEGLGEPAVLG RLREDEGTWVQVSLLFVPTREANGHRLGQCASFNNTTLQFEGYASMDVKYPPVIV EMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGTVLREAVAESLLEEEVTPAED GVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQSNPDPI LTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCAENQYGQRATAFNLSVEFAPV LLESHCAAARDTVQCLCVVKSNEPSVAFELPSRNVTVNESEREFVYSERSGLVLT </p>

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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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