Recombinant Human MAG Protein, His-SUMO-tagged

Cat. No. MAG-1270H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAG Protein (20-516aa) was expressed in E. coli with N-terminal His-SUMO-tag.
Species	Human
Source	E.coli
ProteinLength	20-516 a.a.
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	Tris-based buffer, 50% glycerol.
Molecular Mass	70.7 kDa
AA Sequence	GHWGAWMPSSISAFEGTCVSIPCRFDFPDELRPAVVHGVWYFNSPYPKNYPPVVF KSRTQVVHESFQGRSRLLGDLGLRNCTLLLSNVSPELGGKYYFRGDLGGYNQYTFS EHSVLDIVNTPNIVVPPEVVAGTEVEVSCMVPDNCPELRPELSWLGHEGLGEPAVLG RLREDEGTWVQVSLLHFVPTREANGHRLGCQASFPNTTLQFEGYASMDVKYPPVIV EMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGTVLREAVAESLLLELEEVTPAED GVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQSNPDPI

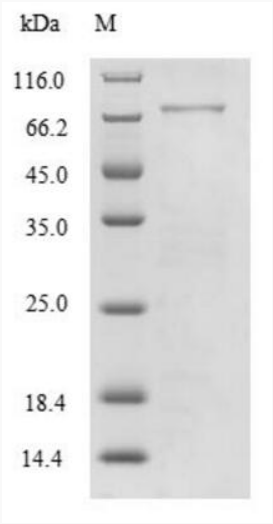
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVAENQYGQRATAFNLSVEFAPV LLLESHCAAARDTVQCLCVVKSNPEPSVAFELPSRNVTVNESEREFVYSERSGLVLT SILTLRGQAQAPPRVICTARNLYGAKSLELPFQGAHRLMWAKIGP
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name	MAG myelin associated glycoprotein [Homo sapiens (human)]
Official Symbol	MAG
Synonyms	GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A; sialic acid binding Ig-like lectin 4A; sialic acid-binding immunoglobulin-like lectin 4A
Gene ID	4099
mRNA Refseq	NM_002361.3
Protein Refseq	NP_002352.1
MIM	159460
UniProt ID	P20916

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