

Product datasheet for PH308754

MAG (NM_002361) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MAG MS Standard C13 and N15-labeled recombinant protein (NP_002352)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208754
Predicted MW:	69.1 kDa
Protein Sequence:	>RC208754 protein sequence Red=Cloning site Green=Tags(s)

MIFLTALPLFWIMISASRGGHWGAWMPSSISAFEGTCVSI PCRFD PDEL RPAVVHGVVYFN SPYK NYP
PVVFKSRTQVVHESFQGRSRL LGDLGRNCTLLLSNVSPELGGKYFRGDLGGYNQYTFSEHSVLDIVNT
PNIVVPEVVAGTEVEVSCMVPDNCPELRPELSWL GHEGLGEPAVLGRLEDEGTWVQV SLLHFVPTREA
NGHRLGCQASFPNTTLQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSL LCGADSNPPPLLTWMRDGTVL
REAVAESL LLEEEVTPAEDGVYACLAENAYQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQ
SNPDPILTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVAENQYQQRATAFNLSVEFAPVLLLESH
CAAARDTVQCLCVVKS NPEPSVAFELPSRNVTVNESEREFVYSERSGLVLT SILTLRGQAQAPPRVICTA
RNLYGAKSLEL PFQGAHRLMWAKIGPVGAVVAFAILIAIVCYITQTRRKNVTE SPFSAGDNPPVLFSS
DFRISGAPEKYESERRLGSERRLLGLRGEPELDLSYSHSDLGKRPTKDSYTLTEELAEYAEIRVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002352
RefSeq Size:	2458
RefSeq ORF:	1878



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Synonyms: GMA; S-MAG; SIGLEC-4A; SIGLEC4A; SPG75

Locus ID: 4099

UniProt ID: [P20916](#), [Q53ES7](#)

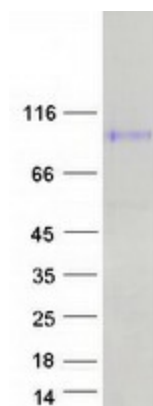
Cytogenetics: 19q13.12

Summary: 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. [provided by RefSeq, Nov 2010]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:



Coomassie blue staining of purified MAG protein (Cat# [TP308754]). The protein was produced from HEK293T cells transfected with MAG cDNA clone (Cat# [RC208754]) using MegaTran 2.0 (Cat# [TT210002]).