

## Product datasheet for **TP308754**

### **MAG (NM\_002361) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human myelin associated glycoprotein (MAG), transcript variant 1, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC208754 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MIFLTALPLFWIMISASRGGHWGAWMPSSISAFEGTCVSIPCRFDFPDELRPVAVHGWVWFNSPYPKNYP  
PVVFKSRTQVWHESFQGRSRLGDLGLRNCTLLLSNVSPELGGKYYFRGDLGGYNQYTFSEHSVLDIVNT  
PNIVPPEVVAGTEVEVSCMVPDNCPELRPELSWLGHEGLGEPVAVLGRLEDEGTWVQVSLLFVPTREA  
NGHRLGCQASFPNTTLQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSLLCGADSNPPPLLTWMRDGTVL  
REAVAESLLELEEVTPAEDGVYACLAENAYGQDNRTVGLSVMYAPWKPTVNGTMVAVEGETVSILCSTQ  
SNPDPILTIFKEKQILSTVIYESELQLELPAVSPEDDGEYWCVAENQYGQRATAFNLSVEFAPVLLLESH  
CAAARDTVQCLCVKSNPEPSVAFELPSRNVTVNESEREFVYSERSGLVLTSILTRGQAQAPPRVICTA  
RNLYGAKSLELPFQGAHRLMWAKIGPVGAVAFALIAIVCYITQTRRKNKNTESPSFSAGDNPPVLFSS  
DFRISGAPEKYESERRLLGSERRLLGLRGEPPELDLSYSHSDLGKRPTKDSYTLTEELAEYAEIRVK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	67.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_002352](#)

**Locus ID:** 4099

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

**RefSeq Size:** 2458

**Cytogenetics:** 19q13.12

**RefSeq ORF:** 1878

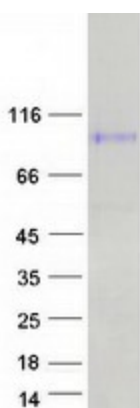
**Synonyms:** GMA; S-MAG; SIGLEC-4A; SIGLEC4A; SPG75

**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]).