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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MAG (Human) Recombinant Protein (P01)

Catalog Number: H00004099-P01

Regulation Status: For research use only (RUO)

Product Description: Human MAG full-length ORF (NP_002352.1, 1 a.a. - 626 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MIFLTAALPLFWIMISASRGGHWGAWMPSSISAFEGTCV
SIPCRFDLDELRAVAVHGVWYFNSPYPKNYPPVVK
SRTQVVHESFQGRSRLGLDLGRNCTLLLSNVSPELG
GKYYFRGDLGGYNQYTFSEHSVLDIVNTPNIVPPEVV
AGTEVEVSCMVPDNCPELRPELSWLGHEGLGEPAVL
GRLREDEGTWVQVSLHLHFVPTREANGHRLGCQASFP
NTTLQFEGYASMDVKYPPVIVEMNSSVEAIEGSHVSL
CGADSNPPPLLTWMRDGTVLREAVAESLLEEEVTP
AEDGVYACLAENAYGQDNRTVGLSVMYAPWKPTVNG
TMVAVEGETVSILCSTQSNPDPILTIFKEKQILSTVIYES
ELQLELPAVSPEDDGEYWCVAENQYQQRATAFNLSV
EFAPVLLLESHCAAARDTVQCLCVVKSNPESVAFELP
SRNVTVNESEREFVYSERSGLVLTSLTRGQAQAPPR
VICTARNLYGAKSLELFPQGAHRLMWAKIGPVGAVVA
FAILIAIVCYITQTRRKNVTESPSFSAGDNPPVLFSSDF
RISGAPEKYESERRLGSERRLLGLRGEPELDLSYSHS
DLGKRPTKDSYTLTEELAEYAEIRVK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 95.5

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4099

Gene Symbol: MAG

Gene Alias: GMA, S-MAG, SIGLEC-4A, SIGLEC4A

Gene 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. Two alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq]

References:

1. Pathophysiology of hypoperfusion of the precuneus in early Alzheimer's disease. Miners JS, Palmer JC, Love S. Brain Pathol. 2015 Oct 9.
2. Assessing white matter ischemic damage in dementia patients by measurement of myelin proteins. Barker R, Wellington D, Esiri MM, Love S J Cereb Blood Flow Metab. 2013 Mar 27. doi: 10.1038/jcbfm.2013.46.
3. Neural cell adhesion molecule - Description of a CSF ELISA method and evidence of reduced levels in selected neurological disorders. Gnanapavan S, Grant D, Illes-Toth E, Lakdawala N, Keir G, Giovannoni G. J. Neuroimmunol. (2010), doi:10.1016/j.jneuroim.2010.04.020