# Product datasheet for TP721039M

## MAG (NM_002361) Human Recombinant Protein

## Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human myelin associated glycoprotein (MAG), transcript variant 1 |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | Gly20-Pro516 |
| **Tag:** | C-His |
| **Predicted MW:** | 55.7 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >95% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| **Endotoxin:** | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg) |
| **Reconstitution Method:** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| **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 |

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**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)