

HUMAN MAG PROTEIN**Cat.#:** 12267**Product Name:** Human MAG Protein**Size :** 10 µg, 50 µg and 100 µg**Synonyms:** GMA;S-MAG;SPG75;SIGLEC4A;SIGLEC-4A**Target:** MAG**UNIPROT ID:** P20916**Description:** Recombinant human MAG Protein with C-terminal 6xHis tag**Background:** 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]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 55.5 kDa after removal of the signal peptide. The apparent molecular mass of MAG-His is approximately 70-130 kDa due to glycosylation.**Molecular Characterization:** MAG(Gly20-Pro516) 6xHis tag**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human MAG Protein, His Tag on SDS-PAGE under reducing condition.