

**Catalog No.: RP00424** **Recombinant**

Species	Gene ID	Swiss Prot
Human	4099	P20916

## C-His

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

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
55.7 kDa	75-110 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.2  $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH7.2. Contact us for customized product form or formulation.

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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This protein 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.

Recombinant Human Siglec-4a/MAG Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Gly20-Pro516) of human MAG/Siglec-4a (Accession #P20916) fused with a 6xHis tag at the C-terminus.

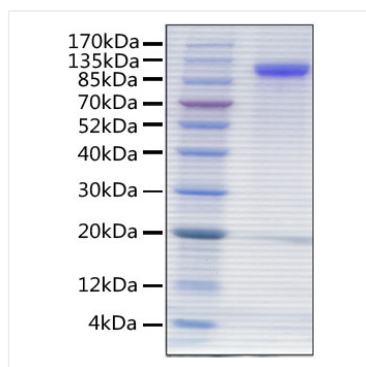
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human Siglec-4a/MAG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.