# Mouse MOG/Myelin Oligodendrocyte Glycoprotein Protein

**Cat. No.** MOG-MM101

## Description

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| **Source** | Recombinant Mouse MOG/Myelin Oligodendrocyte Glycoprotein Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Gly29-Thr156. |
| **Accession** | Q61885 |
| **Molecular Weight** | The protein has a predicted MW of 15.68 kDa. Due to glycosylation, the protein migrates to 18-25 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |

## Formulation and Storage

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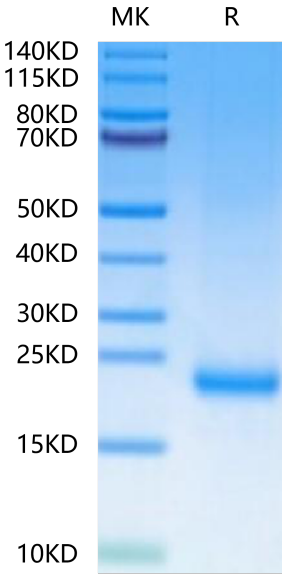
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Myelin oligodendrocyte glycoprotein (MOG) antibody disease is a rare autoimmune disorder with antibodies against the MOG predominantly involving the optic nerve and spinal cord leading to vision loss and paralysis. When MOG antibody disease involves the brain, the phenotype is similar to acute disseminated encephalomyelitis (ADEM).

## Assay Data

**Bis-Tris PAGE**




Mouse MOG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.