

**Synonym**

MOG, BTN6, BTNL11, MOGIG2, NRCLP7, Myelin oligodendrocyte glycoprotein

Source

Human MOG, His Tag(MOG-H52H3) is expressed from human 293 cells (HEK293). It contains AA Gly 30 - Gly 154 (Accession # [Q16653-1](#)).

Predicted N-terminus: Gly 30

Molecular Characterization

MOG(Gly 30 - Gly 154)
Q16653-1 **Poly-his**

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 16.2 kDa. The protein migrates as 20-24 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μ g by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

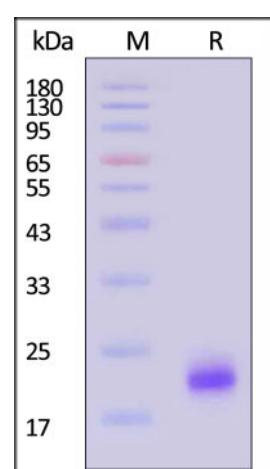
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human MOG, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

Myelin oligodendrocyte glycoprotein (MOG), is a single-pass transmembrane glycoprotein of the immunoglobulin (Ig) superfamily. MOG is a myelin protein exclusively expressed in the CNS at the outermost surface of myelin sheaths and oligodendrocyte membranes. This makes MOG a potential target of cellular and humoral immune responses in inflammatory demyelinating diseases. Due to its late postnatal developmental expression, MOG is an important marker for oligodendrocyte maturation.

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Human MOG Protein, His Tag

Catalog # MOG-H52H3



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