

Recombinant Human MOG protein(Gly30-Tyr149), His-tagged

Cat. No. MOG-3828H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human MOG (NP_996532.2) (Gly 30-Tyr 149) was expressed in E. coli, fused with a polyhistidine tag at the C-terminus and an additional Met at the N-terminus. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Gly30-Tyr149 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Molecular Mass | The secreted recombinant human MOG comprises 127 amino acids with a predicted molecular mass of 15 kDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions. |
| Purity | > 97 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

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GENE INFORMATION

Gene Name MOG myelin oligodendrocyte glycoprotein [Homo sapiens]

Official Symbol MOG

Synonyms MOG; myelin oligodendrocyte glycoprotein; myelin-oligodendrocyte glycoprotein; MOG Ig-AluB; MOG alpha-5; MOGIG2; NRCLP7; MGC26137;

Gene ID 4340

mRNA Refseq NM_001008228

Protein Refseq NP_001008229

MIM 159465

UniProt ID Q16653

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