

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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