

# Recombinant Human MOG Protein, His/Avi-tagged, Biotinylated

Cat. No. MOG-02H Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant biotinylated human MOG protein with His/Avi-tag was expressed in HEK293   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | The product of this gene is a membrane protein expressed on the oligodendrocyte cell surface and the outermost surface of myelin sheaths. Due to this localization, it is a primary target antigen involved in immune-mediated demyelination. This protein may be involved in completion and maintenance of the myelin sheath and in cell-cell communication. Alternatively spliced transcript variants encoding different isoforms have been identified. |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 17 kDa.  |
| <b>AA Sequence</b>      | GQFRVIGPRHPICALVGDEVELPCRISPGKNATGMEVGWYRPPFSRVVHLYRNGKD<br>QDGDQAPEYRGRTELLKDAIGEGKVTLRIRNVRFSDDEGGFTCFFRDHSYQEEAAME<br>LKVEDPFYWVSPGVDHHHHHHGLNDIFEAQKIEWHE   |
| <b>Endotoxin</b>        | <1 EU/μg  |
| <b>Purity</b>           | >90% by SDS-PAGE  |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |   |
|-----------------------|---|
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH7.4, 5% trehalose, 5% mannitol  |
| <b>Conjugation</b>    | Biotin  |

## GENE INFORMATION

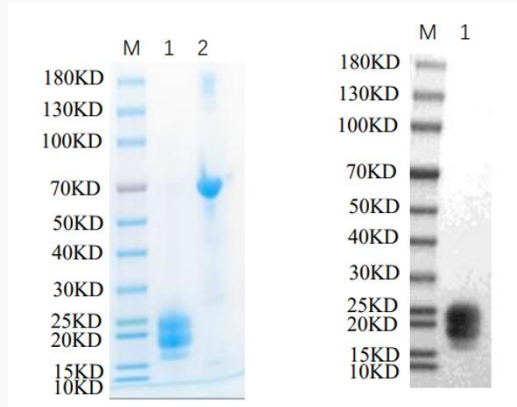
|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | MOG myelin oligodendrocyte glycoprotein [ Homo sapiens (human) ]   |
| <b>Official Symbol</b> | MOG  |
| <b>Synonyms</b>        | MOG; myelin oligodendrocyte glycoprotein; myelin-oligodendrocyte glycoprotein; MOG Ig-AluB; MOG alpha-5; MOGIG2; NRCLP7; MGC26137; |
| <b>Gene ID</b>         | 4340   |
| <b>mRNA Refseq</b>     | NM_001008228   |
| <b>Protein Refseq</b>  | NP_001008229   |
| <b>MIM</b>             | 159465   |
| <b>UniProt ID</b>      | Q16653   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE:**



Reducing 12% SDS-PAGE and WB analysis profile of purified MOG

1. MOG
2. BSA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA