

## Recombinant Human MOG Protein, MYC/DDK-tagged

**Cat. No.** MOG-5453H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human myelin oligodendrocyte glycoprotein (MOG), transcript variant alpha1 with C-MYC/DDK tag was expressed in HEK293T.                                                                                                                                                                                                                                                                                                            |
| <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>   | 25.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                      |

### GENE INFORMATION

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>Gene Name</b> | MOG myelin oligodendrocyte glycoprotein [ Homo sapiens (human) ] |
|------------------|------------------------------------------------------------------|

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|                        |                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | MOG                                                                                                                                                       |
| <b>Synonyms</b>        | MOG; myelin oligodendrocyte glycoprotein; BTN6; BTNL11; MOGIG2; NRCLP7; myelin-oligodendrocyte glycoprotein; MOG AluA; MOG AluB; MOG Ig-AluB; MOG alpha-5 |
| <b>Gene ID</b>         | 4340                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_206809                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_996532                                                                                                                                                 |
| <b>MIM</b>             | 159465                                                                                                                                                    |
| <b>UniProt ID</b>      | Q16653                                                                                                                                                    |
|                        |                                                                                                                                                           |

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