

## Recombinant Human MOG Protein, GST-tagged

**Cat. No.** MOG-5466H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MOG full-length ORF ( AAH35938, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 58.19 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MASLSRPSLPSCLCSFLLLLLLQVSSSYAGQFRVIGPRHPIRALVGDEVELPCRISPG<br>KNATGMEVGWYRPPFSRVVHLYRNGKDQDGDQAPEYRGRTTELLKDAIGEGKVTLR<br>IRNVRFSDDEGGFTCFRRDHSYQEEAAMELKVEDPFYWVSPGVLVLLAVLPVLLLQIT<br>VGLVFLCLQYRLRGKLRAEIEENLHRTFDPHFLRVPCWKITLFVIVPVLGPLVALIICYN<br>WLHRRLAGQFLEELRKFSRLCYKQRIKSQERETEATRGRGGLLRDHIPRGKEEESL<br>GGGKTPPGR                                                                                                                                                  |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                                                                      |

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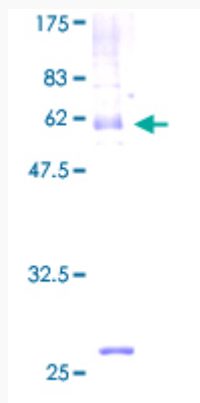
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                               |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                             |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                           |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                    |
| <b>Gene Name</b>        | MOG myelin oligodendrocyte glycoprotein [ Homo sapiens ]                                                                           |
| <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                                                                                                                             |

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**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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