

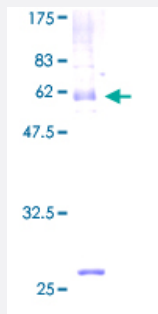
Full-Length

MOG (Human) Recombinant Protein (P01)

Catalog # H00004340-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MOG full-length ORF (AAH35938, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASLSRPSLPSCLCSFLLLLLLQVSSSYAGQFRVIGPRHPIRALVGDEVELPCRISPGKNATGMEV
GWYRPPFSRVVHLYRNGKDQDGDQAPEYRGTELLKDAIGEGKVTLRIRNVRFSDGGFTCFR
DHSYQEEAAMELKVEDPFYWVSPGVLVLLAVLPVLLQITVGLVFLCLQYRLRGKLRAEIENLHRT
FDPHFLRVPCWKITLFVIVPVLGPLVALICYNWLHRRLAGQFLEELRKFSRLCYKQRIKSQERETEA
TRGRGGLLRDHIPRGKEELES LGGKTPPGR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.19

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MOG

Entrez GeneID [4340](#)

GeneBank Accession# [BC035938](#)

Protein Accession# [AAH35938](#)

Gene Name MOG

Gene Alias MGC26137, MOGIG-2

Gene Description myelin oligodendrocyte glycoprotein

Omim ID [159465](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations MOG Ig-AluB|MOG alpha-6|OTTHUMP00000029122|OTTHUMP00000029124|OTTHUMP00000029125|OTTHUMP00000029126|OTTHUMP00000029127

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Obsessive-Compulsive Disorder](#)
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- [Tobacco Use Disorder](#)