

## Active Recombinant Human MOG Protein

Cat. No. MOG-060H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MOG (Gly30-Gly154) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	30-154 a.a.
<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>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>Bio-activity</b>	Tested for capability to induce EAE in rodents and monkeys
<b>Molecular Mass</b>	15.2 kDa
<b>Endotoxin</b>	< 0.1 EU per g protein as determined by LAL test

 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

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Resuspend the protein to the desired concentration in proper buffer.

## 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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