

Active Recombinant Human MOG Protein

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

SPECIFICATION

Product Overview	Recombinant Human MOG (Gly30-Gly154) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	30-154 a.a.
Description	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.
Form	Lyophilized from a 0.2 μ 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.
Bio-activity	Tested for capability to induce EAE in rodents and monkeys
Molecular Mass	15.2 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test

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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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