

Recombinant Human MOG Protein, HIS-tagged

Cat. No. MOG-061H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MOG fused with His tag at C-termina was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 M filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Molecular Mass	15.31kD
AA Sequence	GQFRVIGPRHPERALVGDEVELPCRISPGKNATGMEVGWYRPPFSRVVHLYRNGKD QDGDQAPEYRGRTELLKDAIGEGKVTLRIRNVRFSDDEGGFTCFFRDHSYQEEAAME LKVEDPFYWVSPGVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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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