

Recombinant Human MOG Protein, His/Avi-tagged, Biotinylated

Cat. No. MOG-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant biotinylated human MOG protein with His/Avi-tag was expressed in HEK293
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.
Molecular Mass	The protein has a calculated MW of 17 kDa.
AA Sequence	GQFRVIGPRHPIRALVGDEVELPCRISPGKNATGMEVGWYRPPFSRVVHLYRNGKD QDGDQAPEYRGRTELLKDAIGEGKVTLRIRNVRFSDGEGFTCFFRDHSYQEEAAME LKVEDPFYWVSPGVDHHHHHHGLNDIFEAQKIEWHE
Endotoxin	<1 EU/μg
Purity	>90% by SDS-PAGE

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH7.4, 5% trehalose, 5% mannitol
Conjugation	Biotin

GENE INFORMATION

Gene Name	MOG myelin oligodendrocyte glycoprotein [Homo sapiens (human)]
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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