MOG Protein, Human (HEK293, His)

Cat. No.:	HY-P70845
Synonyms:	Myelin-Oligodendrocyte Glycoprotein; MOG
Species:	Human
Source:	HEK293
Accession:	Q16653 (G30-G154)
Gene ID:	4340
Molecular Weight:	18-25 kDa

PROPERTIES

AA Sequence	G Q F R V I G P R H P I R A L V G D E V E L P C R I S P G K N A T G M E V G W Y R P P F S R V V H L Y R N G K D Q D G D Q A P E Y R G R T E L L K D A I G E G K V T L R I R N V R F S D E G G F T C F F R D H S Y Q E E A A M E L K V E D P F Y W V S P G
Appearance	Solution
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	MOG Protein plays a pivotal role in facilitating homophilic cell-cell adhesion, fostering essential connections between cells. As a minor yet integral component of the myelin sheath, MOG Protein is implicated in the potential completion and maintenance of this vital neural structure. Its influence extends beyond structural support, as it may also participate in mediating cell-cell communication. Notably, during microbial infections, MOG Protein serves as a receptor for the rubella virus, accentuating its multifaceted involvement in both physiological myelin function and pathological responses to viral challenges.

Caution: Product has not been fully validated for medical applications. For research use only.

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