

# Recombinant Human MOG Protein (E.coli, His Tag)

Catalog Number:PKSH032768



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

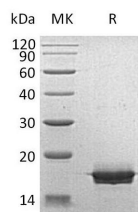
## Description

<b>Synonyms</b>	Myelin-Oligodendrocyte Glycoprotein;MOG;BTN6;BTNL11;MOGIG2;NRCLP7
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Gly30-Gly154
<b>Accession</b>	Q16653
<b>Calculated Molecular Weight</b>	15.2 kDa
<b>Observed molecular weight</b>	16-18 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Myelin Oligodendrocyte Glycoprotein (MOG) is a transmembrane protein; which is expressed exclusively in the CNS. MOG contains a single Ig-domain exposed to the extracellular space that allows autoantibodies easy access. MOG protein has been identified as a crucial autoantigen for multiple sclerosis in humans. MOG is capable to produce a demyelinating multiple sclerosis-like diseases in experimental animals; namely experimental autoimmune encephalomyelitis (EAE); in rodents and monkeys.

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Fax: 1-832-243-6017