RP02139
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Recombinant Human Myelin oligodendrocyte glycoprotein

Catalog No.: RP02139 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
E.coli	4340	Q16653

Tags
C-6×His

Synonyms
BTN6; BTNL11; MOGIG2; NRCLP7;MOG;BTNL11;MOGIG2;NRCLP7

Product Information

Source	Purification
E.coli	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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.

Basic Information

Description
Recombinant Human MOG Protein is produced by E.coli expression system. The target protein is expressed with sequence (Gly30-Gly154) of human MOG (Accession #Q16653) fused with a 6xHis tag at the C- terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

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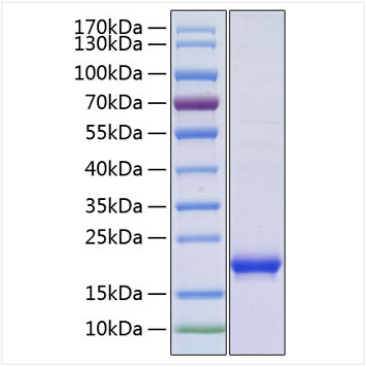
Validation Data



Recombinant Human MOG Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18kDa.