Recombinant Human MOG Protein (Human Cells, His Tag)

Catalog Number:PKSH032769

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

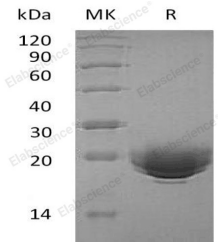
Description

Synonyms	Myelin-Oligodendrocyte Glycoprotein;MOG;BTN6;BTNL11;MOGIG2;NRCLP7
Species	Human
Expression Host	HEK293 Cells
Sequence	Gly30-Gly154
Accession	Q16653
Calculated Molecular Weight	15.3 kDa
Observed molecular weight	18-25 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
Reconstitution	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 which 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 disease in experimental animals;namely experimental autoimmune encephalomyelitis (EAE) in rodents and monkeys.

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