



Recombinant Protein Technical Manual

Recombinant Human MOG Protein (Human Cells, His Tag)

RPES4946

Product Data:

Product SKU: RPES4946

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q16653

Protein Information:

Molecular Mass: 15.3 kDa

AP Molecular Mass: 19 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Myelin-Oligodendrocyte Glycoprotein; MOG;BTN6;BTNL11;MOGIG2;NRCLP7

Immunogen Information:

Sequence: Gly30-Gly154

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.