

**Specifications:**

Gene:	<i>hMOG</i>
Accession:	NP_002424
Insert size:	772bp
Concentration:	10µg at 0.2µg/µL

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

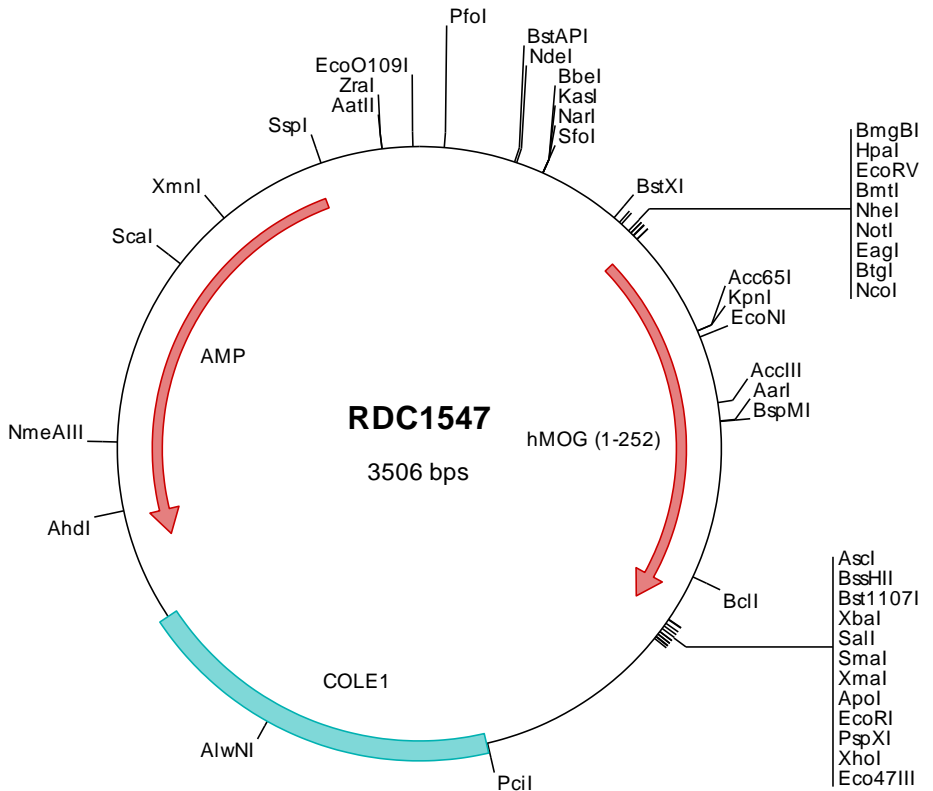
**hMOG cDNA Plasmid**

**MOG myelin oligodendrocyte glycoprotein [ *Homo sapiens* (human) ]**

**Also known as:** BTN6; BTNL11; MOGIG2; NRCLP7

**Summary:**

MOG is an integral membrane protein belonging to the immunoglobulin superfamily. It is expressed on the oligodendrocyte cell surface and the outermost surface of myelin sheaths. Due to this localization, it is a primary target antigen involved in immune-mediated demyelination. MOG may be involved in completion and maintenance of the myelin sheath and in cell-cell communication. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1547 Plasmid DNA Sequence

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> RDC1547 Translated Insert Sequence

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