*m*MOG VersaClone cDNA

Catalog Number: RDC2537

Specifications:

Gene:	*m*Mog
Accession:	NP_034944
Insert size:	757bp
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

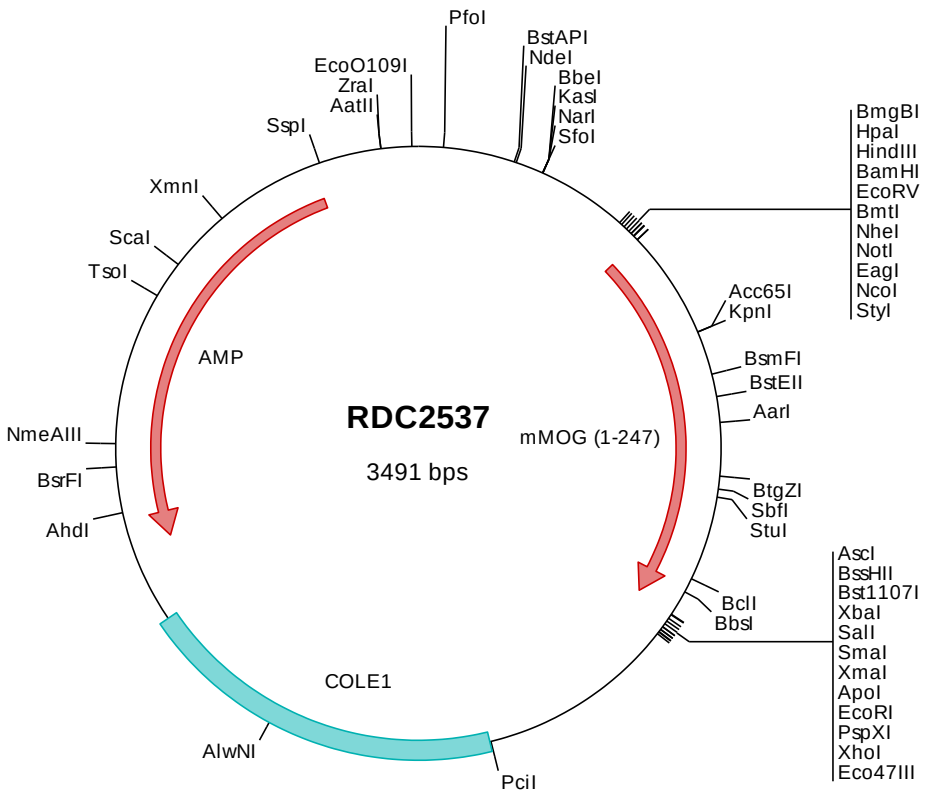
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*MOG cDNA Plasmid

Mog myelin oligodendrocyte glycoprotein [*Mus musculus* (house mouse)]

Also known as: B230317G11Rik

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2537 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcctgtt tgtggagctt ctcttggccc agctgcttcc tctcccttct
 501  cctcctcctt ctcctccagt tgtcatgcag ctatgcagga caattcagag tgataggacc agggtatccc atccgggctt tagttgggga tgaagcagag
 601  ctgccgtgcc gcatctctcc tgggaaaaat gccacgggca tggaggtggg ttggtaccgt tctcccttct caagagtggt tcacctctac cgaaatggca
 701  aggaccaaga tgcagagcaa gcacctgaat accggggacg cacagagctt ctgaaagaga ctatcagtga gggaaaggtt acccttagga ttcagaacgt
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1301  ccgctcacaa ttccacacaa catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac
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1701  atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc ccctggaagc tccctcgtgc gctctcctgt
1801  tccgaccctg ccgcttaccg gatacctgtc cgcctttctc ccttcgggaa gcgtggcgct ttctcaatgc tcacgctgta ggtatctcag ttcggtgtag
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2501  ctccccgtcg tgtagataac tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc gagacccacg ctcaccggct ccagatttat
2601  cagcaataaa ccagccagcc ggaagggccg agcgcagaag tggtcctgca actttatccg cctccatcca gtctattaat tgttgccggg aagctagagt
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> RDC2537 Translated Insert Sequence

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201  flrvpcwkit lfvivpvlgp lvaliicynw lhrrlagqfl eelrnpf
```