

Product datasheet for RC216498

Myelin oligodendrocyte glycoprotein (MOG) (NM_206811) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myelin oligodendrocyte glycoprotein (MOG) (NM_206811) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myelin oligodendrocyte glycoprotein
Synonyms:	BTN6; BTNL11; MOGIG2; NRCLP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216498 representing NM_206811 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

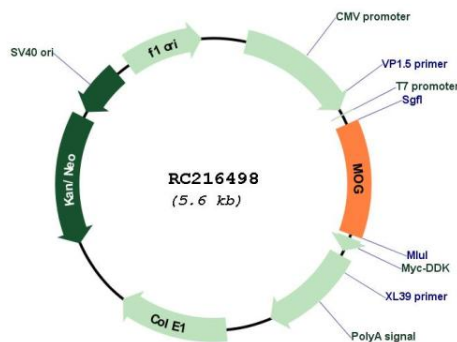
ATGGCAAGCTTATCAAGACCCTCTGCCAGCTGCCTCTGCTCCTTCTCCTCCTCCTCCTCCAAG
TGTCTTCCAGCTATGCAGGGCAGTTCAGAGTGATAGGACCAAGACACCCTATCCGGGCTCTGGTCGGGA
TGAAGTGAATTGCCATGTCGCATATCTCTGGGAAGAAGCTACAGGCATGGAGGTGGGTGGTACCGC
CCCCCTTCTCTAGGGTGGTTCATCTCTACAGAAATGGCAAGGACCAAGATGGAGACCAGGCACCTGAAT
ATCGGGGCCGGACAGAGCTGCTGAAAGATGCTATTGGTGAGGAAAGGTGACTCTCAGGATCCGGAATGT
AAGTTTCTCAGATGAAGGAGTTTACCTGCTTCTCCGAGATCATTCTTACCAAGAGGAGGCAGCAATG
GAATTGAAAGTAGAAGATCCTTTCTACTGGGTGAGCCCTGGAGTCTGGTTCTCCTCGCGGTGCTGCCTG
TGCTCCTCCTGCAGATCACTGTTGGCCTCATCTTCTCTGCTGCACTACAGACTGAGAGGAAAACCTTCG
AGCAGAGATAGAGAATCTCCACCGGACTTTTGGTCTTTGGTGTCTAGGACCCAGGTTAAGGAACCA
AAAAGACAGGGCAATTCCTTGAAGAGCTACTCTCCACCTGGAAGCCCTCTCTGGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_206811.4</u>
RefSeq Size:	1851 bp
RefSeq ORF:	690 bp
Locus ID:	4340
UniProt ID:	<u>Q16653</u>
Cytogenetics:	6p22.1
Protein Families:	Transmembrane
MW:	25.8 kDa
Gene Summary:	<p>The product of this gene is a membrane protein 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. This protein may be involved in completion and maintenance of the myelin sheath and in cell-cell communication. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p>

Product images:


Circular map for RC216498