

Product datasheet for MR221942

MgII (NM_001166250) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MgII (NM_001166250) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: MgII
Synonyms: AA589436; Ma; MagI; Mgl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR221942 representing NM_001166250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAAAGCCAAGACTAATGGAACAGGGCCTAAAGACCCTGCAGGATGCCTGAGGCAAGTTCACCCA
 GGCGAAGTCCACAGAATGTTCCCTACCAGGACCTGCCTCACCTGGTCAATGCAGACGGACAGTACCTCTT
 TTGTAGATACTGGAAGCCAGTGGCACACCCAAGGCCCTCATCTTGTGTCCCATGGAGCTGGGGAACAC
 TGTGGCCGTTATGATGAGCTGGCTCATATGTTGAAGGGGCTGGACATGCTGGTATTTGCCATGACCATG
 CTGTGATGCTCTGCTGCTCTGAGTCAGCCCTGTTATATTTGTGAGACTATTTGGCAGATAATATT
 CCAGGGTTATCCCCGAGGCGTTTGTGTGGGGACGCTGTATTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221942 representing NM_001166250
 Red=Cloning site Green=Tags(s)

MQKPRLMETGPKDPCRMEASSPRRTPQNVYQDLPHLVNADGQYLCRYWKPSGTPKALIFVSHGAGEH
 CGRYDELAHMLKGLDMLVFAHDHAVMLSAALQSALVIFVRLIWQIIFQGYPRGVCCGGRCHY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001166250.1 , NP_001159722.1
RefSeq Size:	1204 bp
RefSeq ORF:	399 bp
Locus ID:	23945
UniProt ID:	O35678
Cytogenetics:	6 D1
MW:	15.4 kDa
Gene Summary:	This gene encodes a monoglyceride lipase, which catalyzes the hydrolysis of monoglycerides into fatty acids and glycerol. This enzyme is also thought to hydrolyze the endocannabinoid 2-arachidonoylglycerol. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009]