

## Product datasheet for MR229008

### Marchf8 (NM\_001302384) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Marchf8 (NM_001302384) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Marchf8
Synonyms:	1300017E09Rik; M; Marc; MARCH-VIII; March8; Mir
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229008 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGCATGCCATTGCACCAGATCTCTGCCATCCCTTCTCAGGATGCCATTTCTGCTAGAGTCTACAGAA  
GCAAGACCAAAGATAAAGGAGCAGAATGAGAAGACTTTGGGACATTCCATGAGTCATCCAAGCAACATTTT  
TAAGGCTGGGAGTAGTCTCCATCCACGACGGCTCCAGTGTCTGCCTTCTCTCGCACTTCTGTACACCA  
TCCAACCAGGACATCTGCAGGATCTGCCACTGTGAAGGGGATGACGAGAGCCCTCTGATCACCCCTGTC  
ACTGCACAGGGAGCCTCCATTTCTGTCATCAGGCTTGCCTGCAGCAGTGGATCAAGAGTTCTGACACACG  
CTGCTGTGAAGTCTGCAAGTACGAGTTCATCATGGAGACCAAGCTGAAACCTTTGAGGAAATGGGAGAAG  
TTGCAGATGACTGCCAGTGAAGCAGGAAGATCATGTGCTCAGTGACCTCCATGTCATTGCTATCACCT  
GTGTGGTCTGGTCTTGTATGTGCTCATTGACCGCACAGCAGAGGAAATCAAGCAGGGTCAGGTAACAGG  
AATCCTAGAGTGGCTTTCTGGACGAAGCTGGTAGTTGTGGCCATCGGCTTCACTGGAGGACTTCTCTTT  
ATGTATGTTCAAGTGAAGGTGTACCTACAGTTATGGAAAAGACTCAAGGCTTACAATAGAGTGATCTATG  
TTCAGAACTGTCCAGAAACAAGTAAAAAGAATATTTTTGAAAAGTCTGCACCTACAGAGCCACCCTTGA  
AAATAAAGAAGGACATGGAATGTGTCATTCCACCACAAATCTTCTTGCACAGAGCCTGAAGACTGGA  
GCAGAAATTATTAACGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

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\\_001302384.1](#), [NP\\_001289313.1](#)

**RefSeq Size:** 4379 bp

**RefSeq ORF:** 861 bp

**Locus ID:** 71779

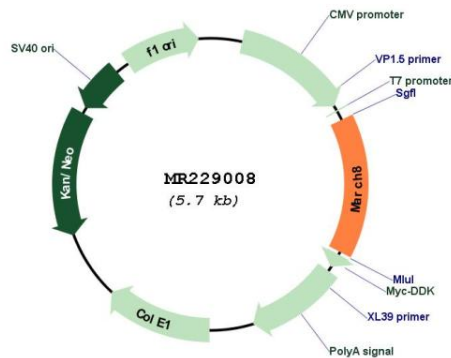
**UniProt ID:** [Q9DBD2](#)

**Cytogenetics:** 6 E3

**MW:** 32.2 kDa

**Gene Summary:** The protein encoded by this gene is a member of the membrane-associated really interesting new gene-CH family of proteins. These proteins are E3 ubiquitin-protein ligases that modulate antigen presentation by downregulating major histocompatibility complex class II surface expression through endocytosis. The transcript is primarily expressed by dendritic cells and macrophages. Overexpression of this gene in antigen presenting cells results in immune defective phenotypes, including resistance to autoimmune disease onset. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

### Product images:



Circular map for MR229008