

Product datasheet for **MR203891**

Marchf8 (NM_027920) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Marchf8 (NM_027920) 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: | >MR203891 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCATGCCATTGCACCAGATCTCTGCCATCCCTTCTCAGGATGCCATTTCTGCTAGAGTCTACAGAA
GCAAGACCAAAGATAAAGGAGCAGAATGAGAAGACTTTGGGACATTCCATGAGTCATCCAAGCAACATTTT
TAAGGCTGGGAGTAGTCTCCATCCACGACGGCTCCAGTGTCTGCCTTCTCTCGCACTTCTGTACACCA
TCCAACCAGGACATCTGCAGGATCTGCCACTGTGAAGGGGATGACGAGAGCCCTCTGATCACCCCTGTC
ACTGCACAGGGAGCCTCCATTTCTGTGCATCAGGCTTGCCTGCAGCAGTGGATCAAGAGTTCTGACACACG
CTGCTGTGAACTCTGCAAGTACGAGTTCATCATGGAGACCAAGCTGAAACCTTTGAGGAAATGGGAGAAG
TTGCAGATGACTGCCAGTGAAGCAGGAAGATCATGTGCTCAGTGACCTCCATGTCATTGCTATACCT
GTGTGGTCTGGTCTTGTATGTGCTCATTGACCGCACAGCAGAGGAAATCAAGCAGGGTCAGGTAACAGG
AATCCTAGAGTGGCTTTCTGGACGAAGCTGGTAGTTGTGGCCATCGGCTTCACTGGAGGACTTCTCTTT
ATGTATGTTCAAGGTGTACCTACAGTTATGGAAAAGACTCAAGGCTTACAATAGAGTGATCTATG
TTCAGAACTGTCCAGAAACAAGTAAAAAGAATATTTTTGAAAAGTCTGCACCTACAGAGCCACCCTTGA
AAATAAAGAAGGACATGGAATGTGTCATTCCACCACAAATCTTCTTGCACAGAGCCTGAAGACTGGA
GCAGAAATTATTAACGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203891 protein sequence
 Red=Cloning site Green=Tags(s)

MSMPLHQISAIPSQDAISARVYRSKTKDKEQNEKTLGHSMSPSNISKAGSSPSTTAPVSAFRTSVTP
 SNQDICRICHCEGDDESLITPCHCTGSLHFVHQACLQWIKSSDTRCCELCKYEFIMETKLKPLRKWEK
 LQMTASERRKIMCSVTFHVIAITCVVWSLYVLIDRTAEEIKQGQVTGILEWPFWTKLVVVAIGFTGGLLF
 MYVQCKVYLQLWKRLKAYNRVIYVQNCPEKSKKNIFEKSALTEPTLENKEGHGMCHSTTNSCTEPEDTG
 AEIINV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027920

ORF Size: 861 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_027920.5](#)

RefSeq Size: 4521 bp

RefSeq ORF: 861 bp

Locus ID: 71779

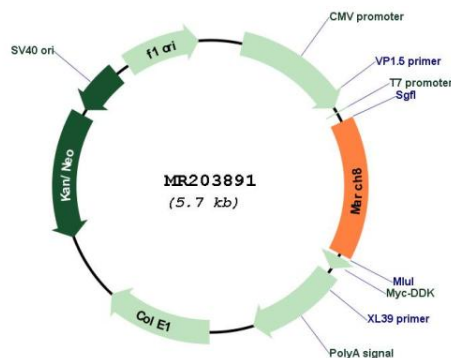
UniProt ID: [Q9DBD2](#)

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 MR203891