

Product datasheet for **MC226547**

Marchf8 (NM_001302385) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Marchf8 (NM_001302385) Mouse Untagged Clone
Tag: Tag Free
Symbol: Marchf8
Synonyms: 1300017E09Rik; M; Marc; MARCH-VIII; March8; Mir
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226547 representing NM_001302385
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTCATCCAAGCAACATTTCTAAGGCTGGGAGTAGTCCTCCATCCACGACGGCTCCAGTGTCTGCCT
TCTCTCGCACTTCTGTCACACCATCCAACCAGGACATCTGCAGGATCTGCCACTGTAAGGGGATGACGA
GAGCCCTCTGATCACCCCTGCTACTGCACAGGGAGCCTCCATTCGTCATCAGGCTTGCTGCAGCAG
TGGATCAAGAGTTCTGACACACGCTGCTGTGAAGTCTGCAAGTACGAGTTCATCATGGAGACCAAGCTGA
AACCTTTGAGGAAATGGGAGAAGTTGCAGATGACTGCCAGTGAGCGCAGGAAGATCATGTCTCAGTGAC
CTTCCATGTCATTGCTATCACCTGTGTGGTCTGGTCTTGTATGTGCTCATTGACCGCACAGCAGAGGAA
ATCAAGCAGGGTCAGGTAACAGGAATCCTAGAGTGGCCTTTCTGGACGAAGCTGGTAGTTGTGGCCATCG
GCTTCACTGGAGGACTTCTTTTATGTATGTTCAAGGTGTACCTACAGTTATGGAAAAGACTCAA
GGCTTACAATAGAGTGATCTATGTTTCAAGTGTCCAGAAACAAGTAAAAAGAATATTTTTGAAAAGTCT
GCACTTACAGAGCCACCCTTAAAAATAAAGAAGGACATGGAATGTGTCATTCCACCACAAATCTTCTT
GCACAGAGCCTGAAGACTGGAGCAGAAATTATTAACGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302385
Insert Size: 744 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001302385.1</u> , <u>NP_001289314.1</u>
RefSeq Size:	4313 bp
RefSeq ORF:	744 bp
Locus ID:	71779
UniProt ID:	<u>Q9DBD2</u>
Cytogenetics:	6 E3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and lacks an alternate exon in the 5' coding region, which results in use of a downstream start codon compared to variant 1. It encodes isoform 2, which has a shorter N-terminus compared to isoform 1.</p>