

## Product datasheet for **MR228758**

### Marchf8 (NM\_001302385) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Marchf8 (NM\_001302385) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Marchf8  
**Synonyms:** 1300017E09Rik; M; Marc; MARCH-VIII; March8; Mir  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228758 representing NM\_001302385  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGTCATCCAAGCAACATTTCTAAGGCTGGGAGTAGTCCTCCATCCACGACGGCTCCAGTGTCTGCCT  
TCTCTCGCACTTCTGTACACCATCCAACCAGGACATCTGCAGGATCTGCCACTGTGAAGGGGATGACGA  
GAGCCCTCTGATACCCCTGTCACTGCACAGGGAGCCTCCATTTTCGTGCATCAGGCTTGCTGCAGCAG  
TGGATCAAGAGTTCTGACACACGCTGCTGTGAAGTCTGCAAGTACGAGTTCATCATGGAGACCAAGCTGA  
AACCTTTGAGGAAATGGGAGAAGTTGCAGATGACTGCCAGTGAGCGCAGGAAGATCATGTGCTCAGTGAC  
CTTCCATGTCAATTGCTATCACCTGTGTGGTCTGGTCTTGTATGTGCTCATTGACCGCACAGCAGAGGAA  
ATCAAGCAGGGTCAGGTAACAGGAATCCTAGAGTGGCCTTTCTGGACGAAGCTGGTAGTTGTGGCCATCG  
GCTTCACTGGAGGACTTCTTTTATGTATGTTCAAGGTGTACCTACAGTTATGGAAAAGACTCAA  
GGCTTACAATAGAGTGATCTATGTTTCAAGTGTCCAGAAACAAGTAAAAAGAATATTTTTGAAAAGTCT  
GCACTTACAGAGCCACCCTTAAAAATAAAGAAGGACATGGAATGTGTCATTCCACCACAAATCTTCTT  
GCACAGAGCCTGAAGACTGGAGCAGAAATTATTAACGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228758 representing NM\_001302385  
Red=Cloning site Green=Tags(s)

MSHPSNISKAGSSPPSTTAPVSAFRTSVTPSNQDICRICHCEGDDESPLITPCHCTGSLHFVHQACLQQ  
 WIKSSDTRCCELCKYEFIMETKLKPLRKWEKLQMTASERRKIMCSVTFHVIAITCVVWSL YVLIDRTAEE  
 IKQGQVTGILEWPFWTKLVVVAIGFTGGLLFMYVQCKVYLQLWKRLKAYNRVIYVQNCPETSKKNIFEKS  
 ALTEPTLENKEGHGMCHSTTNSSCTEPEDTGAEIINV

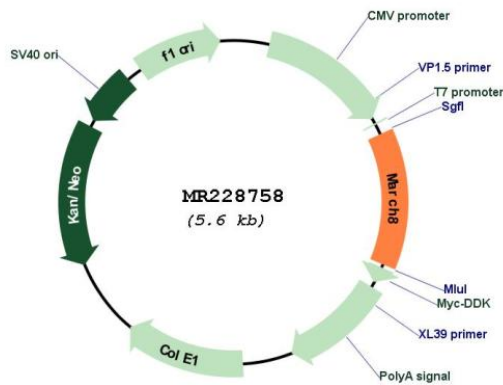
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001302385  
**ORF Size:** 741 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001302385.1</a> , <a href="#">NP_001289314.1</a>
<b>RefSeq Size:</b>	4313 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	71779
<b>UniProt ID:</b>	<a href="#">Q9DBD2</a>
<b>Cytogenetics:</b>	6 E3
<b>MW:</b>	28.3 kDa
<b>Gene Summary:</b>	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]