

# Product datasheet for MG215930

# March1 (NM\_001166375) Mouse Tagged ORF Clone

### **Product data:**

ACCN:

**ORF Size:** 

Product Type:	Expression Plasmids
Product Name:	March1 (NM_001166375) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	March1
Synonyms:	2900024D24Rik; BB085186
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miu i

EcoR I

Nhe I Rsr II

Hind III

NM\_001166375

825 bp

CGATCGC

Mlu I 
 Hind III
 Nhe I
 Rsr II
 Miu I
 Not I
 Xho I
 GFP Tag

 CAAGCTTAACTAGCGACGGACGGACG
 ACG CGT ACG CGG CGC CGC GAG ATG GAG AGG GAC
 T
 R
 T
 R
 P
 L
 E
 M
 E
 S
 D

Pme I -- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT - E E R V Stop

BamH I Kpn I

Fse I

RBS

ACG CGT

Kozac Sgf I

Asc I

GFP Tag

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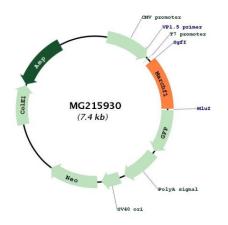


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<b>Gene</b> March1 (NM_001166375) Mouse Tagged ORF Clone – MG215930	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene 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. <u>More info</u>
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 Meth	<ul> <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> </ul>
RefSeq:	<u>NM 001166375.1, NP 001159847.1</u>
RefSeq Size:	3942 bp
RefSeq ORF:	828 bp
Locus ID:	72925
UniProt ID:	<u>Q6NZQ8</u>
Cytogenetics:	8 B3.1
Gene Summary:	E3 ubiquitin-protein ligase that mediates ubiquitination of TFRC, CD86, FAS and MHC class II proteins, such as HLA-DR alpha and beta, and promotes their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. By constitutively ubiquitinating MHC class II proteins in immature dendritic cells, down-regulates their cell surface localization thus sequestering them in the intracellular endosomal system.[UniProtKB/Swiss-Prot Function]

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## **Product images:**



Circular map for MG215930

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