

# Product datasheet for MR200464

### Macrod2 (NM\_028387) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Macrod2 (NM_028387) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Macrod2
Synonyms:	1110033L15Rik; 2610107G07Rik; 2900006F19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200464 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGATGGATGCATCCCTAATGGTTGGAGAAATGGTGGAGAATGTCATGGGAGAGAGA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR200464 protein sequence <mark>Red=</mark> Cloning site Green=Tags(s)
	MMDASLMVGEMVENVMGESTCRSLPETVMERKSYSLGNRKRGPLSDLVFQSILNQERLIEDSLRRVCFEE EKQTKKGGRESELPEGKQTRRVGDTCSFVACLTNTDLPGVNIEN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Restriction Sites:</b>	Sgfl-Mlul



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#### **Cloning Scheme:**



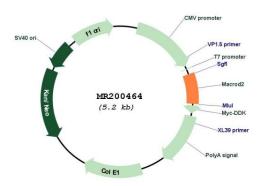
\* The last codon before the Stop codon of the ORF

ACCN:	NM_028387
ORF Size:	345 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. <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 Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 028387.1, NP 082663.1</u>
RefSeq Size:	3552 bp
RefSeq ORF:	345 bp

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	Macrod2 (NM_028387) Mouse Tagged ORF Clone – MR200464
Locus ID:	72899
Cytogenetics:	2 F3-G1
MW:	12.8 kDa
Gene Summary:	Removes ADP-ribose from asparatate and glutamate residues in proteins bearing a single ADP-ribose moiety. Inactive towards proteins bearing poly-ADP-ribose. Deacetylates O-acetyl- ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins.[UniProtKB/Swiss-Prot Function]

## **Product images:**



Circular map for MR200464

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