

# Product datasheet for MG200557

## 2410015M20Rik (NM\_153152) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

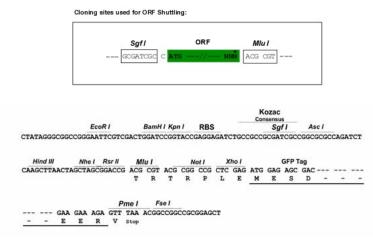
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	2410015M20Rik (NM_153152) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2410015M20Rik
Synonyms:	Mic13; QIL1; sr104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG200557 representing NM_153152 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGTGGCTCGAGTGTGGTCGCTAATGAGGTTCCTCATTAAGGGAAGTGTGGCTGGAGGAGCAGTCTACC TTGTTTATGACCAGGAGCTGCTGGGGCCTAGTGACAAGAGTGAGGCTGCCCTGCGGAAGGCCGAGGAGGT TGTGCCACCAGCAATGTACCAGTTCAGCCAATATGTGTGCCAGCAGACAGGTCTGGAGATGCCACAGCTC CCAACCCCTCCAAAGATTAAATTTCCAAACTTCCGTGATTCCTGGAACTCAGGCATCATCTCAGTCATGT CAGCCTTGTCGGTGGCCCCCTCCAAGGCCCGAGAATACTCCAAGGAGGGCTGGGAGTACCTCAAGGAACA CAGCAAG
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>MG200557 representing NM_153152 <mark>Red</mark> =Cloning site Green=Tags(s)
	MVARVWSLMRFLIKGSVAGGAVYLVYDQELLGPSDKSEAALRKAEEVVPPAMYQFSQYVCQQTGLEMPQL PTPPKIKFPNFRDSWNSGIISVMSALSVAPSKAREYSKEGWEYLKEHSK
	TRTRPLE - GFP Tag - V
<b>Restriction Sites:</b>	Sgfl-Mlul

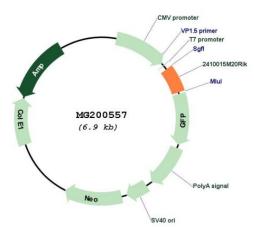


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#### **Cloning Scheme:**



Plasmid Map:



ACCN:	
ORF Size:	
OTI Disclaimer:	

ACCNI

### NM\_153152

### 357 bp

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>

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<b>QRIGENE</b> 2410015M20Rik (NM_153152) Mouse Tagged ORF Clone – MG200557	
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 153152.4</u>
RefSeq Size:	756 bp
RefSeq ORF:	360 bp
Locus ID:	224904
UniProt ID:	<u>Q8R404</u>
Cytogenetics:	17 D
Gene Summary:	Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Constituent of mature MICOS complex, it is required for the formation of cristae junction (CJ) and maintenance of cristae morphology. Required for the incorporation of MICOS10/MIC10 into the MICOS complex.[UniProtKB/Swiss-Prot Function]

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