

Product datasheet for **MG200557**

2410015M20Rik (NM_153152) Mouse Tagged ORF Clone

Product data:

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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCTCGAGTGTGGTCGCTAATGAGGTTCTCATTAAAGGGAAGTGTGGCTGGAGGAGCAGTCTACC
TTGTTTATGACCAGGAGCTGCTGGGGCCTAGTGACAAGAGTGAGGCTGCCCTGCGGAAGGCCGAGGAGGT
TGTGCCACCAGCAATGTACCAGTTCAGCCAATATGTGTGCCAGCAGACAGGTCTGGAGATGCCACAGCTC
CCAACCCCTCAAAGATTAATTTCAAACCTCCGTGATTCTGGAAGTCAAGGATCATCTCAGTCATGT
CAGCCTTGTCGGTGGCCCTCCAAGGCCGAGAATACTCAAGGAGGGCTGGGAGTACCTCAAGGAACA
CAGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200557 representing NM_153152
Red=Cloning site Green=Tags(s)
MVARVWSLMRFLIKGSVAGGAVYLVYDQELLGPSDKSEAAALRKAEEVPPAMYQFSQYVCQQTGLEMPQL
PTPPKIKFPNFRDSWNSGIISVMSALSVAPSKAREYSKEGWEYLKEHSK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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 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:	NM_153152.4
RefSeq Size:	756 bp
RefSeq ORF:	360 bp
Locus ID:	224904
UniProt ID:	Q8R404
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]