

## Product datasheet for **RG203055**

### MICS1 (GHITM) (NM\_014394) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MICS1 (GHITM) (NM_014394) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MICS1
Synonyms:	DERP2; HSPC282; MICS1; My021; PTD010; TMBIM5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203055 representing NM_014394 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGCTGCAAGGCTGGTGTCTCCGGACACTACCTTCTAGGGTTTTCCACCCAGCTTTCACCAAGG  
CCTCCCCTGTTGTGAAGAATTCATCACGAAGAATCAATGGCTGTTAACACCTAGCAGGGAATATGCCAC  
CAAAACAAGAATTGGGATCCGGCGTGGGAGAAGTGGCCAAGAAGTCAAAGAGGCAGCATTGGAACCATCG  
ATGGAAAAATATTTAAATGATCAGATGGGAAGATGGTTTGTGCTGGAGGGCTGCTGTTGGTCTTG  
GAGCATTGTGCTACTATGGCTTGGGACTGTCTAATGAGATTGGAGCTATTGAAAAGGCTGTAATTTGGCC  
TCAGTATGTCAAGGATAGAATTCATTCCACCTATATGACTTAGCAGGGAGTATTGGTTAACAGCTTTG  
TCTGCCATAGCAATCAGCAGAACGCCTGTTCTCATGAACTTCATGATGAGAGGCTCTTGGGTGACAATTG  
GTGTGACCTTTGCAGCCATGGTTGGAGCTGGAATGCTGGTACGATCAATACCATATGACCAGAGCCAGG  
CCCAAAGCATCTTGCTTGGTTGCTACATTCTGGTGTGATGGGTGCAGTGGTGGCTCCTCTGACAATTA  
GGGGTCTCTTCTCATCAGAGCTGCATGGTACACAGCTGGCATTGTGGGAGGCCCTCCACTGTGGCCA  
TGTGTGCGCCAGTAAAAGTTTCTGAACATGGGTGCACCCCTGGGAGTGGGCTGGGTCTCGTCTTTGT  
GTCCTCATTGGGATCTATGTTTCTCCACCTACCACCGTGGCTGGTGGCACTCTTTACTCAGTGGCAATG  
TACGGTGGATTAGTTCTTTTCAGCATGTTCTTCTGTATGATACCCAGAAAGTAATCAAGCGTGCAGAAG  
TATCACCAATGTATGGAGTTCAAAAATATGATCCCATTAACCTCGATGCTGAGTATCTACATGGATACATT  
AAATATATTTATGCGAGTTGCAACTATGCTGGCAACTGGAGGCAACAGAAAGAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

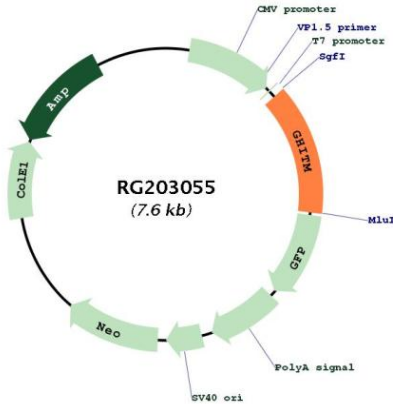


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<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: 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>	<u>NM_014394.3</u>
<b>RefSeq Size:</b>	2449 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	27069
<b>UniProt ID:</b>	<u>Q9H3K2</u>
<b>Cytogenetics:</b>	10q23.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Required for the mitochondrial tubular network and cristae organization. Involved in apoptotic release of cytochrome c.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG203055