

## Product datasheet for **RG203863**

### MAGOH (NM\_002370) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAGOH (NM\_002370) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MAGOH  
**Synonyms:** MAGOH1; MAGOHA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203863 representing NM\_002370  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAGTGACTTTTATCTGCGTTACTACGTGGGGCACAAGGGCAAGTTCGGCCACGAGTTCCTGGAGT  
TTGAGTTTCGACCGGACGGGAAGTTAAGATATGCCAACACAGCAATTACAAGAATGATGTCATGATCAG  
AAAAGAGGCTTATGTACATAAAAGCGTGATGGAGGAAGTGAAGAGAATAATTGACGACAGTGAAATTACC  
AAAGAGGATGATGCATTGTGCCTCCTCCTGACCGAGTGGCCGGCAGGAGCTTGAATCGTCATTGGAG  
ATGAACACATTTCTTTACAACATCAAAAATTGGTTCCTTATTGATGTCAATCAATCCAAGGATCCAGA  
AGGCTTACGAGTATTTTATTATCTGTCCAGGACCTGAAGTGTTGGTCTTCAGTCTTATTGGATTACAC  
TTCAAGATTAACCAATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG203863 representing NM\_002370  
 Red=Cloning site Green=Tags(s)

MESDFYLRYVGHKGFGEHFELEFRPDGKLRVANNSNYKNDVMIRKEAYVHKSVMEELEKRIIDDSEIT  
KEDDALWPPDRVGRQLEIVIGDEHISFTTSKIGSLIDVNQSKDPEGLRVFYLVQDLKCLVFLSLIGLH  
FKIKPI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_002370

**ORF Size:** 438 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. [More info](#)

**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:**

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\\_002370.4](#)

**RefSeq Size:** 698 bp

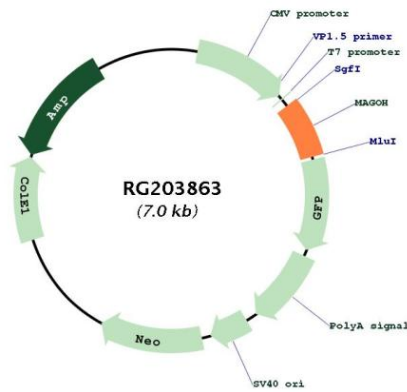
**RefSeq ORF:** 441 bp

**Locus ID:** 4116

**UniProt ID:** [P61326](#)

**Cytogenetics:** 1p32.3  
**Domains:** Mago\_nashi  
**Protein Pathways:** Spliceosome  
**Gene Summary:** Drosophila that have mutations in their mago nashi (grandchildless) gene produce progeny with defects in germplasm assembly and germline development. This gene encodes the mammalian mago nashi homolog. In mammals, mRNA expression is not limited to the germ plasm, but is expressed ubiquitously in adult tissues and can be induced by serum stimulation of quiescent fibroblasts. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG203863