

### Product datasheet for RG203072

#### OriGene Technologies, Inc.

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## Mago nashi homolog 2 (MAGOHB) (NM\_018048) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Mago nashi homolog 2 (MAGOHB) (NM\_018048) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: Mago nashi homolog 2

**Synonyms:** mago; magoh; MGN2

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG203072 representing NM\_018048

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCTGTGGCTAGCGATTTCTACCTGCGCTACTACGTAGGGCACAAGGGCAAGTTTGGGCACGAGTTTC
TGGAGTTCGAATTTCGGCCGGACGGAAAGCTTAGATATGCCAACAACAGCAATTACAAAAATGATGTGAT
GATCAGAAAAGAGGCTTATGTGCACAAGAGTGTAATGGAAGAACTGAAGAAATTATTGATGACAGTGAA
ATTACAAAAGAAGATGATGCTTTGTGGCCTCCCCCTGATAGGGTTGGCCGACAGGAGCTTGAAATTGTAA
TTGGAGATGAGCACATATCTTTTACCACATCAAAAATAGGTTCTCTTATTGATGTAAATCAGTCAAAGGA
TCCTGAAGGCCTTCGAGTATTTTACTATTTGGTACAAGACTTGAAATGTTTAGTTTTCAGTCTTATTGGA

TTACACTTCAAGATTAAACCAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203072 representing NM\_018048

Red=Cloning site Green=Tags(s)

MAVASDFYLRYYVGHKGKFGHEFLEFEFRPDGKLRYANNSNYKNDVMIRKEAYVHKSVMEELKRIIDDSE ITKEDDALWPPPDRVGRQELEIVIGDEHISFTTSKIGSLIDVNQSKDPEGLRVFYYLVQDLKCLVFSLIG

LHFKIKPI

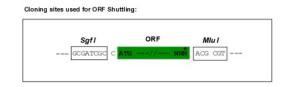
TRTRPLE - GFP Tag - V

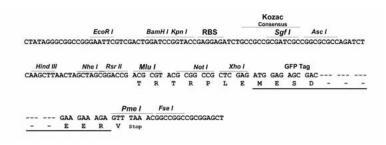
Restriction Sites: Sgfl-Mlul





#### Cloning Scheme:





**ACCN:** NM\_018048

ORF Size: 444 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:** <u>NM 018048.2</u>, <u>NP 060518.1</u>

 RefSeq Size:
 2579 bp

 RefSeq ORF:
 447 bp

 Locus ID:
 55110

 UniProt ID:
 Q96A72



Cytogenetics: 12p13.2

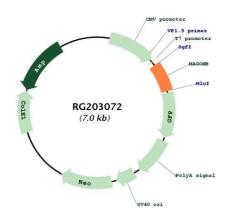
Domains:Mago\_nashiProtein Pathways:Spliceosome

**Gene Summary:** Required for pre-mRNA splicing as component of the spliceosome (PubMed:28502770,

PubMed:29301961, PubMed:30705154). Plays a redundant role with MAGOH in the exon junction complex and in the nonsense-mediated decay (NMD) pathway (PubMed:23917022).

[UniProtKB/Swiss-Prot Function]

# **Product images:**



Circular map for RG203072