

Product datasheet for **RG235602**

Mago nashi homolog 2 (MAGOHB) (NM_001300739) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mago nashi homolog 2 (MAGOHB) (NM_001300739) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGOHB
Synonyms:	mago; magoh; MGN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235602 representing NM_001300739. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCAGAAAAGAGGCTTATGTGCACAAGAGTGTAAATGGAAGAACTGAAGAGAATTATTGATGACAGT
GAAATTACAAAAGAAGATGATGCTTTGTGGCCTCCCCCTGATAGGGTTGGCCGACAGGAGCTTAAAT
GTAATTGGAGATGAGCACATATCTTTACCACATCAAAAATAGGTTCTCTTATTGATGTAATCAGTCA
AAGGATCCTGAAGGCCTTCGAGTATTTACTATTTGGTACAAGACTTGAAATGTTTAGTTTTAGTCTT
ATTGGATTACACTTCAAGATTAACCAATT
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235602
Blue=ORF Red=Cloning site Green=Tag(s)

```
MIRKEAYVHKSVMEELEKRIIDDSEITKEDDALWPPDRVGRQLEIVIGDEHISFTTSKIGSLIDVNQS
KDPEGLRVFYFLVQDLKCLVFLIHLHFKIKPI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

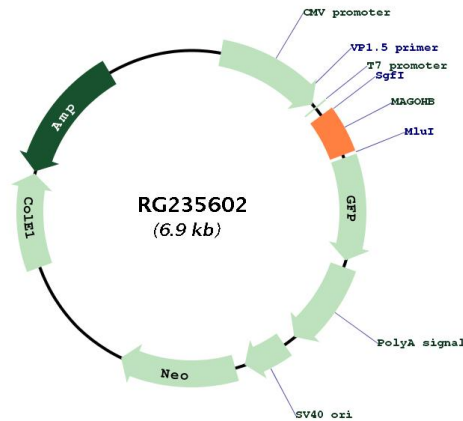


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001300739

ORF Size: 306 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).
RefSeq:	NM_001300739.2 , NP_001287668.1
RefSeq Size:	3202 bp
RefSeq ORF:	309 bp
Locus ID:	55110
Cytogenetics:	12p13.2
Protein Pathways:	Spliceosome
MW:	12.2 kDa
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]