

Product datasheet for **RC203863**

MAGOH (NM_002370) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGOH (NM_002370) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MAGOH
Synonyms: MAGOH1; MAGOHA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC203863 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGTGACTTTTATCTGCGTTACTACGTGGGGCACAAGGGCAAGTTCGGCCACGAGTTCCTGGAGT
TTGAGTTTCGACCGGACGGGAAGTTAAGATATGCCAACACAGCAATTACAAGAATGATGTCATGATCAG
AAAAGAGGCTTATGTACATAAAAGCGTGATGGAGGAAGTGAAGAGAATAATTGACGACAGTGAAATTACC
AAAGAGGATGATGATTGTGCCTCCTCCTGACCGAGTGGCCCGCAGGAGCTTCAAATCGTCATTGGAG
ATGAACACATTTCTTTACAACATCAAAAATTGGTTCCTTATTGATGTCAATCAATCCAAGGATCCAGA
AGGCTTACGAGTATTTTATTATCTGTCCAGGACCTGAAGTGTTGGTCTTCAGTCTTATTGGATTACAC
TTCAAGATTAACCAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203863 protein sequence
Red=Cloning site Green=Tags(s)
MESDFYLRYVGHKGFHEFLEFEPDGLRYANNSNYKNDVMIRKEAYVHKSVMEELEKRIIDDSEIT
KEDDALWPPDRVGRQLEIVIGDEHISFTTSKIGSLIDVNQSKDPEGLRVFYLVQDLKCLVFLSLIGLH
FKIKPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6304_f08.zip



[View online >](#)

Restriction Sites: SgfI-MluI

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: 772 bp

RefSeq ORF: 441 bp

Locus ID: 4116

UniProt ID: [P61326](#)

Cytogenetics: 1p32.3

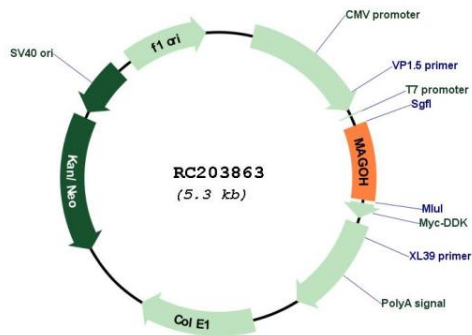
Domains: Mago_nashi

Protein Pathways: Spliceosome

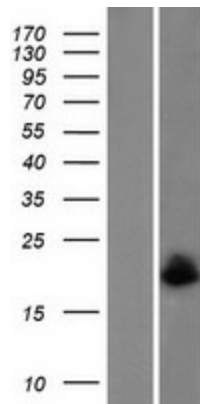
MW: 17.2 kDa

Gene Summary: Drosophila that have mutations in their mago nashi (grandchildless) gene produce progeny with defects in germlasm 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 RC203863



Western blot validation of overexpression lysate (Cat# [LY419380]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203863 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).