

Product datasheet for **MG200983**

Magohb (NM_025564) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Magohb (NM_025564) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Magohb
Synonyms: 2010012C16Rik; Mago; Magoh; Magoh-rs1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200983 representing NM_025564
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTAGTGATTTCTACCTTCGCTACTACGTCGGCATAAGGGCAAGTTTGGGCACGAGTTTTGGAGT
TCGAGTTTCGGCCGACGGGAAGCTTAGATATGCCAACACAGTAATTATAAAAAATGACGTGATGATCAG
AAAAGAGGCCTATGTCCACAAGAGTGAATGGAAGAACTGAAGAGAATTATTGACGACAGTGAAATTACA
AAAGAGGACGACGCTCTGTGGCCACCCCTGACAGGGTTGGCGGCAGGAACTTGAATCGTAATTGGGG
ATGAACACATTTCTTTACCACGTCAAAAATAGGTTCTCTATTGATGTAATCAGTCAAAGGATCCTGA
AGGCCTTCGTGATTTTACTATTTGGTACAAGACTTGAATGCTTAGTGTTACGCCTCATTGGTCTACAC
TTCAAGATTAAGCCAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200983 representing NM_025564
Red=Cloning site Green=Tags(s)

MGSDFYLRYYVGHKGFGEHFELEFRPDGKLRVANNSNYKNDVMIRKEAYVHKSVMEELEKRIIDDSEIT
KEDDALWPPDRVGRQLEIVIGDEHISFTTSKIGSLIDVNQSKDPEGLRVFYLVQDLKCLVFLSLIGLH
FKIKPI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

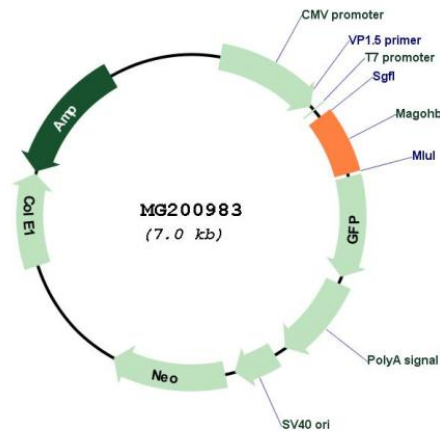


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_025564

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:	<ol style="list-style-type: none">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_025564.1, NP_079840.1</u>
RefSeq Size:	768 bp
RefSeq ORF:	447 bp
Locus ID:	66441
UniProt ID:	<u>Q9CQL1</u>
Cytogenetics:	6
Gene Summary:	Required for pre-mRNA splicing as component of the spliceosome. Plays a redundant role with MAGOH in the exon junction complex and in the nonsense-mediated decay (NMD) pathway.[UniProtKB/Swiss-Prot Function]