

Product datasheet for **SC333496**

Mago nashi homolog 2 (MAGOHB) (NM_001300739) Human Untagged Clone

Product data:

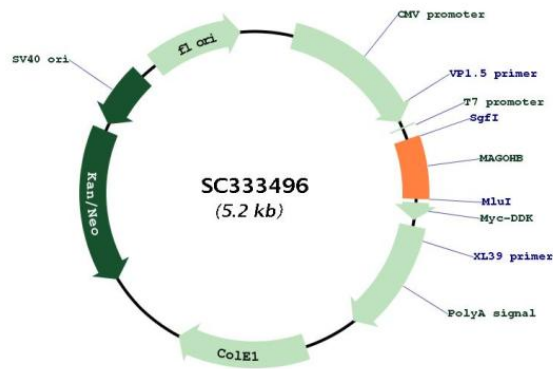
Product Type:	Expression Plasmids
Product Name:	Mago nashi homolog 2 (MAGOHB) (NM_001300739) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGOHB
Synonyms:	mago; magoh; MGN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333496 representing NM_001300739. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCAGAAAAGAGGCTTATGTGCACAAGAGTGTAAATGGAAGAACTGAAGAGAATTATTGATGACAGT
GAAATTACAAAAGAAGATGATGCTTTGTGGCCTCCCCCTGATAGGGTTGGCCGACAGGAGCTTAAATT
GTAATTGGAGATGAGCACATATCTTTACCACATCAAAAATAGGTTCTCTTATTGATGTAATCAGTCA
AAGGATCCTGAAGGCCTTCGAGTATTTACTATTTGGTACAAGACTTGAAATGTTTAGTTTTAGTCTT
ATTGGATTACACTCAAGATTAACCAATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001300739

Insert Size: 309 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001300739.2
RefSeq Size:	2777 bp
RefSeq ORF:	309 bp
Locus ID:	55110
Cytogenetics:	12p13.2
Protein Pathways:	Spliceosome
MW:	11.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' structure and initiates translation at a downstream start codon compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1. Variants 2 and 3 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>