

## Product datasheet for SC319234

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

#### Product data:

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                            |
| Product Name:             | Mago nashi homolog 2 (MAGOHB) (NM_018048) Human Untagged Clone |
| Tag:                      | Tag Free                                                       |
| Symbol:                   | Mago nashi homolog 2                                           |
| Synonyms:                 | mago; magoh; MGN2                                              |
| Mammalian Cell Selection: | Neomycin                                                       |
| Vector:                   | pCMV6-AC (PS100020)                                            |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                         |

**Fully Sequenced ORF:** >OriGene sequence for NM\_018048.2  
 GGGGTTGGCTGCGTTTTTCGGCGGGCTTCCCGGGTACAAAAATGGCTGTGGCTAGCGATTT  
 CTACCTGCGCTACTACGTAGGGCACAAGGGCAAGTTTGGGCACGAGTTTCTGGAGTTCGA  
 ATTTTCGGCCGGACGAAAAGCTTAGATATGCCAACACAGCAATTACAAAAATGATGTGAT  
 GATCAGAAAAGAGGCTTATGTGCACAAGAGTGTAATGGAAGAAGTGAAGAGAATTATTGA  
 TGACAGTGAATTACAAAAGAAGATGATGCTTTGTGGCCTCCCCCTGATAGGGTTGGCCG  
 ACAGGAGCTTGAATTGTAATTGGAGATGAGCACATATCTTTTACCACATCAAAAATAGG  
 TTCTCTTATTGATGTAATCAGTCAAAGGATCCTGAAGGCCTTCGAGTATTTTACTATTT  
 GGTACAAGACTTGAATGTTTTCAGTCTTATTGGATTACACTTCAAGATTAACC  
 AATTTAAATTGTATGTTTTTCAGGCTGTTTGTATATTTAATTAAGGGATGGGAGGGTTAT  
 TTGTCATTTACAGTATTGGGGTTTTTATGAATGTGAAGCAAACAAAAAATTTGTATGT  
 AAAGTGAATAAGAAAATACATTAGCAAGCTTAATGGTTATCCTTACTTGAGTCCACAT  
 GGGTTGGACAGTCCCACACACATTAATTTCTGTAATGAAAGCCACCTTTTGTAAAAA  
 TTTGCTCTAATAAACATACAAATCCAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

|                    |                                                                                                                                                                                                                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Restriction Sites: | Please inquire                                                                                                                                                                                                                                                                                                                                 |
| ACCN:              | NM_018048                                                                                                                                                                                                                                                                                                                                      |
| 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). |
| OTI Annotation:    | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                             |



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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>                                                                                                                 |
| <b>RefSeq:</b>                | <u><a href="#">NM_018048.2</a></u> , <u><a href="#">NP_060518.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>           | 2579 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 447 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 55110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>            | <u><a href="#">Q96A72</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>          | 12p13.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Domains:</b>               | Mago_nashi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Pathways:</b>      | Spliceosome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Summary:</b>          | <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 (1) encodes the longer isoform (1). 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> |