

Product datasheet for **SC312172**

MSI2 (BC017560) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | MSI2 (BC017560) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MSI2 |
| Synonyms: | FLJ36569; MGC3245; MSI2H; musashi 2; musashi homolog 2 (Drosophila) |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for BC017560, the custom clone sequence may differ by one or more nucleotides ATGGTCACAAGAACAAGAAAATATTTGTAGGCGGTTATCTGCGAACACAGTAGTGAA GATGTAAAGCAATATTTGAGCAGTTTGGCAAGGTGGAAGATGCAATGCTGATGTTGAT AAAACACCAACAGGCACAGAGGTTTGGCTTTGTCACTTTTGAGAATGAAGATGTTGTG GAGAAAGTCTGTGAGATTCATTTCCATGAAATCAATAATAAAATGGTAGAATGTAAGAAA GCTCAGCCGAAAGAAGTCATGTTCCACCTGGGACAAGAGGCCGGCCCGGGGACTGCCT TACACCATGGACGCGTTCATGCTTGGCATGGGGATGCTGGGATATCCCAACTTCGTGGCG ACCTATGGCCGTGGCTACCCCGATTGCTCCAAGCTATGGCTATCAGTTCACAGACTAT TTGCCGGTTTACAAGACATAATTTTTATCAAC |
| Restriction Sites: | Please inquire |
| ACCN: | BC017560 |
| 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. |
| 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). |



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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: [BC017560.1](#), [AAH17560.1](#)

RefSeq Size: 1672 bp

RefSeq ORF: 456 bp

Locus ID: 124540

Cytogenetics: 17q22

Domains: RRM

Gene Summary: This gene encodes an RNA-binding protein that is a member of the Musashi protein family. The encoded protein is transcriptional regulator that targets genes involved in development and cell cycle regulation. Mutations in this gene are associated with poor prognosis in certain types of cancers. This gene has also been shown to be rearranged in certain cancer cells. [provided by RefSeq, Apr 2016]