

Product datasheet for **MC203115**

Zbp1 (NM_021394) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Zbp1 (NM_021394) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Zbp1 |
| Synonyms: | 2010010H03Rik; Dai; Dlm1; mZaDLM |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC020033
 CTGGTGCCTGCAGGTCCAAGCAGCCATTCTTGCCTGTGGATTTCAGAGCCCCAGGCCTGACCACAGTGCCA
 GAAACTGCCACCCCTGCCCTAAAGGAGCCCCAAGGCTGCTGTGAGCATGGCAGAAGCTCCTGTTGACTT
 GAGCACAGGAGACAATCTGGAGCAAAAGATCCTGCAGGTGTTGAGCGATGACGGCGGCCCTGTGAAGATT
 GGCCAGCTGGTGAAGAAATGCCAAGTGCCCAAGAAAACCTCAATCAAGTCCTTTACCGCCTGAAGAAGG
 AGGACAGAGTGTCTCCCAAGAGCCTGCAACATGGCGCATAGGCGGGGCTGCTCCGGAGATGGGGCTCC
 TGCAATCCCTGAGGACTCCAGTGCCAGCCTAGCCTTGATGAAAGAATATTAAGATTCTGGAAGCCAAT
 GGGCCTCACAGGGCCCTGCACATCGCCAAGGCTCTGGGAATGACGACAGCCAAAGAAGTGAACCCACTCC
 TGTATTCCATGAGAAATAGCACCTTCTGAGCTATGACGGACAGACGTGGAAGATCTACCACTCACGTCA
 GGAAGGCCAAGACATAGCTCATTCTGGAGTCACACAAGAGTCCCCTGCGATTATTTGTCAGCACAAATCCG
 GTCAACATGATCTGCCAACAAGGAGCCAACAGCCACATCTCCATTGCCAATTCAAACGCCATCCAGATTG
 GTCACAGGAATGTCATAGTAAGAGAGAAAGCCTGTGGTGAGCCAGGTCCCAGGACCTCTCACCTCTACC
 CTTGGCATGGGACGCCTCTGCTCAGGACATGCCCCCTGTGCCCATGGAGCTCAGTACATCTACATGGAC
 AAGTCCTTGCTCCAACAAGTGCAGCTTGGCCACCACAACGAGATGAGCCTCGTGGGGGATGCAGGGAAGC
 ACCCCTCTTATAGCTTTTCTGACAGCCCCCAGAAGTGTCAACCACCACTGCTGACCCAGGAGCTTCATT
 CAACATGCAAACATCTGAGCCAGGCCCTACCCTGAGGGAGACACAGTCCAGACAGTCCACATCAAATCC
 TGCTTTCTAGAGGACGCCACCATTGGTAACGGCAACAAGATGACCATCCACCTTAGGTCAAAGGGTGAAG
 TCATGGAGTCTGGAGACAGTGAAGAGCCGAAGAAGGAAGACACAGGTACAAGCTCTGAAGCCACTCCACC
 CAGAAGCTGCCAGCACACGCCAGTACTCCATGCTGCCACCTCTGAGCTGAGAGCTATGGCTCTGGGA
 GACAGTAGCCCCCAGACCACAGAACCTGTGCTTAGAGAGCATGAAGTCCAGGACATAGAAAGCACTCAAG
 ACACAGGACTGAGCAAGCAATGAAGCTGTGGGACCATAGGCTGACCCCTCTGCCACTATAAGTCAAATCA
 ACCTTTCTGCCTCAAGATCAATCAATCAATTAACCACAGGAGCAGTTCTACCACTCCTGGATGCTCACC
 CAAAGGCAAAAGTCAACACAGAGAGATCTCCGCATATCCATGTAGATTGGGATACTGTTCCACAGAGTA
 AGAAGTGAACCGACCTTGCTACCCAGCAGTAAAAGATGGGTGAATTGGAGTATGCACACAGCCATGGAA
 AATACTGAGGCTGTCACTGGCCAGAAGAGGATGTGACCAGAGGCCACCATGTTGAATGAATGAAAGCCAT
 CTTAGAAAGACAAGGGCCACATTTTCTCTGTTGTGGCTCTAGACTTTAGATAGATTTATAAGATCATAT
 ACACAGATGTGACATGGAAGTACATGTAACACCAACCAGGGGATGAGGATGGTGCATGGGGAGGAGAGGC
 GGGGGTACAGCCTGGGGGGGGTACGGCCAAGGGGGGTGATGGTCTGGGAGGGTGTCCACCCTAAA
 GAGATCACAGCTGGGGGGGATCAGGGCCGGGAGGGGGGACTGCCGAATGACTGTACTTTTATAAAAA
 GGCGTACCTCTGAATAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021394

Insert Size: 1236 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: [BC020033](#), [AAH20033](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1236 bp

Locus ID: 58203

Cytogenetics: 2 H3

Gene Summary: Participates in the detection by the host's innate immune system of DNA from viral, bacterial or even host origin. Plays a role in host defense against tumors and pathogens. Acts as a cytoplasmic DNA sensor which, when activated, induces the recruitment of TBK1 and IRF3 to its C-terminal region and activates the downstream interferon regulatory factor (IRF) and NF-kappa B transcription factors, leading to type-I interferon production. ZBP1-induced NF-kappaB activation probably involves the recruitment of the RHIM containing kinases RIPK1 and RIPK3.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because C57BL/6 strain transcript sequence from the C57BL/6 strain consistent with the reference genome assembly was not available for all regions of the RefSeq transcript. The extent of this transcript is supported by transcript alignments.