

## Product datasheet for SC326919

### Z DNA binding protein (ZBP1) (NM\_001160418) Human Untagged Clone

#### Product data:

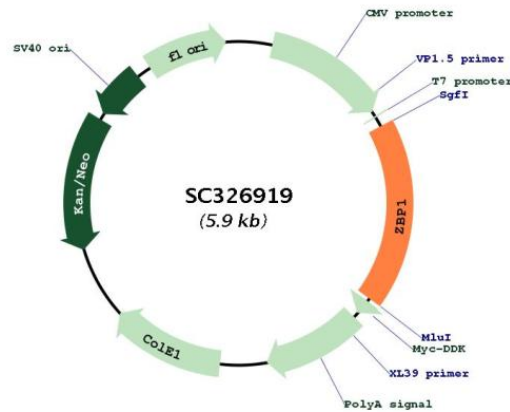
Product Type:	Expression Plasmids
Product Name:	Z DNA binding protein (ZBP1) (NM_001160418) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBP1
Synonyms:	C20orf183; DAI; DLM-1; DLM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326919 representing NM_001160418. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAGGCTCCTGCTGACCCGGGCAGAGAAGCCGAGAGGCCCCAGCAACATGCAGCTACAATCCA
GAGACCCCTGGCCCTCAGTTCAGCCAACAACGGGAGGAAGACATCTACAGGTTTCTCAAAGACAATGGT
CCCCAGAGGGCCCTGGTCATCGCCCAAGCACTGGGAATGAGGACAGCAAAAGATGTGAACCGAGACTTG
TACAGGATGAAGAGCAGGCACCTTCTGGACATGGATGAGCAGTCCAAAGCATGGACGATTTACGCCCA
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CAGAATGGACCAACAGCTGGATTTCCATTGCAAACCTCCGAAGCCATCCAGATTGGACACGGGAACATC
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GGTATTCTCAACTTGGGGGACCTAGTTGATCCCTGGGGGCCCCAGGACATCCACATGGAGCAGTCC
ATACTGAGACGGGTGCAGCTGGGACACAGCAATGAGATGAGGCTCCACGGCGTCCCGTCCGAGGGCCCT
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AGAATCCAGTCCAGGAACTCACCTGAGGGGAAGCCGCCAGAGAATCCACATGAAATCGTGTCTT
CTCGAGGACGCCACCATCGGCAACAGCAACAAAATGTCTATCAGCCAGGGGTGGCTGGCCAGGAGGA
GTCGCAGGGTCTGGAGAGGGGGAGCCAGGGGAGGACGCAGGTCGTCTCCCGCAGACACACAATCCAGA
AGTCACCTTCTCGAGACATTGGTCAGCCCATCACTCCAGCCACTCGAAGCTCACCCCAAGCTGGAA
ACTATGACTCTTGAAACAGGAGTCACAAAGCTGCAGAAGGCAGCCACTATGTGGATGAAGCCTCACAC
GAGGGGAGCTGGTGGGGAGGTGGGATTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001160418

**Insert Size:** 1065 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).

**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).

**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\\_001160418.1](#)

**RefSeq Size:** 2102 bp

**RefSeq ORF:** 1065 bp

**Locus ID:** 81030

**UniProt ID:** [Q9H171](#)

**Cytogenetics:** 20q13.31

**Protein Pathways:** Cytosolic DNA-sensing pathway

**MW:** 38.2 kDa

**Gene Summary:** This gene encodes a Z-DNA binding protein. The encoded protein plays a role in the innate immune response by binding to foreign DNA and inducing type-I interferon production. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]  
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (c) is shorter than isoform a.