

Product datasheet for **RC228892**

Z DNA binding protein (ZBP1) (NM_001160417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Z DNA binding protein (ZBP1) (NM_001160417) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Z DNA binding protein
Synonyms:	C20orf183; DAI; DLM-1; DLM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC228892 representing NM_001160417
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCAGGCTCCTGCTGACCCGGCAGAGAAGGCCACCTTGAACAAAGAAATCCTGCAGGTGCTGACAG
 AGGCTGGCTCCCGGTGAAACTTGCCACGCTGGTGAAGGAATGCCAAGCACCCAAGAGGGAGCTCAACCA
 AGTCCTCTACCGAATGAAAAAGGAGTTGAAAGTCTCCCTCACATCCCCTGCCACCTGGTGTGGGCGGG
 ACTGATCTGAAGGCGAGGGTCTGCAGAGCTGGCCTTGTCCAGCCCTGCCGAGAGGCCCCAGCAACATG
 CAGCTACAATTCAGAGACCCCTGGCCCTCAGTTCAGCCAACAACGGGAGGAAGACATCTACAGGTTTCT
 CAAAGACAATGGTCCCCAGAGGGCCCTGGTCATCGCCCAAGCACTGGGAATGAGGACAGCAAAAGATGTG
 AACCGAGACTTGTACAGGATGAAGAGCAGGCACCTTCTGGACATGGATGAGCAGTCAAAGCATGGACGA
 TTTACCGCCAGATTCTGGAAGAAGAGCAAAGTCAGCCTCAATTATTTACCAGCACAAATCCAATCAACAT
 GATCTGCCAGAATGGACCAACAGCTGGATTTCCATTGCAAACCTCGAAGCCATCCAGATTGGACACGGG
 AACATCATTACAAGACAGACAGTCTCCAGGGAGGACGGTTCGCCCGGTCCACGCCACCTCCCTTCAATGG
 CACCAGGTGATTCTCAACTTGGGGGACCTAGTTGATCCCTGGGGGCCCCAGGACATCCACATGGAGCA
 GTCCATACTGAGACGGGTGCAGCTGGGACACAGCAATGAGATGAGGCTCCACGGCGTCCCGTCCGAGGGC
 CCTGCCACATCCCCCTGGCAGCCCCCAGTCTCTGCCACTGCTGCCGGCCAGAAGCTTCGTTTGAAG
 CAAGAATCCCAGTCCAGGAACCTCACCTGAGGGGGAAGCCGCCAGAGAATCCACATGAAATCGTGCTT
 TCTCGAGGACGCCACCATCGGCAACAGCAACAAAATGTCTATCAGCCCAGGGTGGCTGGCCAGGAGGA
 GTCGCAGGGTCTGAGAGGGGGAGCCAGGGGAGGACGCAGGTCTGTCGTCGCCGAGACACACAATCCAGAA
 GTCACCTTCTCGAGACATTGGTCAGCCCATCACTCCCAGCCACTCGAAGCTCACCCCAAGCTGGAAAC
 TATGACTCTTGGAAACAGGAGTCAAAAAGCTGCAGAAGGCAGCCACTATGTGGATGAAGCCTCACACGAG
 GGGAGCTGGTGGGAGGTGGGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

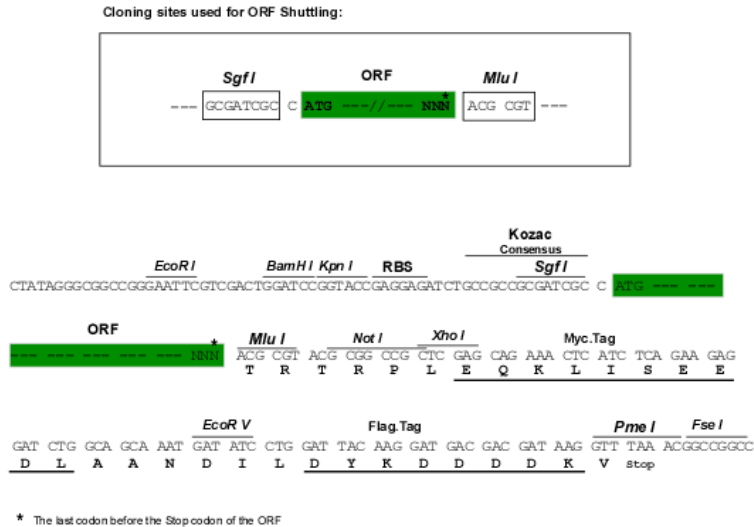
>RC228892 representing NM_001160417
 Red=Cloning site Green=Tags(s)

MAQAPADPGREGHLEQRILQVLTEAGSPVKLAQLVKECQAPKRELNQVLYRMKELKVSLTSPATWCLGG
 TDPEGEPALALSSPAERPQQHAATIPETPGPQFSQREEDIYRFLKDNGPQRALVIAQALGMRTAKDV
 NRDLYRMKSRHLLDMDEQSKAWTIYRPDSGRRAKSASIIYQHNPINMICQNGPNSWISIANSEAIQIGHG
 NIIITRQTVSREDGSAGPRHLPSMAPGDSSTWGLVDPWGPQDIHMEQSILRRVQLGHSNEMRLHGVPSEG
 PAHIPPGSPPVSATAAGPEASFEARIPSPGTHPEGEAAQR IHMKSCFLEDATIGNSNKMSISPGVAGPGG
 VAGSGEGEPGEDAGRRPADTQSRSHFPRDIGQPIITPSHKLTPKLETMTLGNRSHKAAEGSHYVDEASHE
 GSWWGGGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001160417

ORF Size: 1284 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001160417.2](#)

RefSeq Size: 2324 bp

RefSeq ORF: 1287 bp

Locus ID: 81030

UniProt ID: [Q9H171](#)

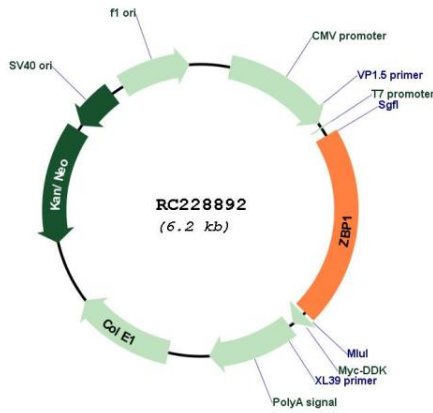
Cytogenetics: 20q13.31

Protein Pathways: Cytosolic DNA-sensing pathway

MW: 46.2 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]

Product images:



Circular map for RC228892