

Product datasheet for **SC327527**

Z DNA binding protein (ZBP1) (NM_001160417) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Z DNA binding protein (ZBP1) (NM_001160417) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBP1
Synonyms:	C20orf183; DAI; DLM-1; DLM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001160417, the custom clone sequence may differ by one or more nucleotides ATGGCCCAGGCTCCTGCTGACCCGGGCAGAGAAGGCCACCTTGAACAAAGAATCCTGCAG GTGCTGACAGAGGCTGGCTCCCCGGTGAAACTTGCCAGCTGGTGAAGGAATGCCAAGCA CCCAAGAGGGAGCTCAACCAAGTCTCTACCGAATGAAAAAGGAGTTGAAAGTCTCCCTC ACATCCCCTGCCACCTGGTGTGGCGGGACTGATCCTGAAGGCGAGGGTCTGCAGAG CTGGCCTGTCCAGCCCTGCCGAGAGGCCCCAGCAACATGCAGCTACAATTCCAGAGACC CCTGGCCCTCAGTTCAGCCAACAACGGGAGGAAGACATCTACAGGTTTCTCAAAGACAAT GGTCCCCAGAGGGCCCTGGTCATCGCCCAAGCACTGGGAATGAGGACAGCAAAAGATGTG AACCGAGACTTGTACAGGATGAAGAGCAGGCACCTTCTGGACATGGATGAGCAGTCCAAA GCATGGACGATTTACCGCCAGATTCTGGAAGAAGAGCAAAGTCAGCCTCAATTATTAC CAGCACAATCCAATCAACATGATCTGCCAGAATGGACCAACAGCTGGATTTCCATTGCA AACTCCGAAGCCATCCAGATTGGACACGGGAACATCATTACAAGACAGACAGTCTCCAGG GAGGACGGTTCGCCCGGTCCACGCCACCTCCCTTCAATGGCACCAGGTGATTCCTCAACT TGGGGGACCCTAGTTGATCCCTGGGGGCCCCAGGACATCCACATGGAGCAGTCCATACTG AGACGGGTGCAGCTGGGACACAGCAATGAGATGAGGCTCCACGGCGTCCCGTCCGAGGGC CCTGCCACATCCCCCTGGCAGCCCCCAGTCTCTGCCACTGCTGCCGGCCAGAAAGCT TCGTTTGAAGCAAGAATCCCAGTCCAGGAACTCACCTGAGGGGAAGCCGCCAGAGA ATCCACATGAAATCGTGCTTCTCGAGGACGCCACCATCGGCAACAGCAACAAAATGTCT ATCAGCCAGGGGTGGCTGGCCACAGGAGTTCGAGGGTCTGGAGAGGGGGAGCCAGGG GAGGACGAGGTCTGTCGTCGCCGACACACAATCCAGAAGTCACTTTCTCGAGACATT GGTCAGCCATCACTCCCAGCCACTCGAAGCTCACCCCAAGCTGGAAGTATGACTCTT GGAAACAGGAGTCACAAAGCTGCAGAAGGCAGCCACTATGTGGATGAAGCCTCACACGAG GGGAGCTGGTGGGGAGGTGGGATT
Restriction Sites:	Please inquire



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ACCN:	NM_001160417
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:	<ol style="list-style-type: none">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:	<u>NM_001160417.1</u> , <u>NP_001153889.1</u>
RefSeq Size:	2324 bp
RefSeq ORF:	1287 bp
Locus ID:	81030
UniProt ID:	<u>Q9H171</u>
Cytogenetics:	20q13.31
Protein Pathways:	Cytosolic DNA-sensing pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the internal coding region compared to variant 1. This results in a shorter protein (isoform b) compared to isoform a.</p>