

Product datasheet for RR216590

Zbp1 (NM_133564) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbp1 (NM_133564) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbp1
Synonyms:	Dlm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216590 representing NM_133564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGCTTCTGTGGACCTGGGCACGGGAGACAACCTGGAGCAGAAGATCCTGCAGGTGTTGAGTG
ATGCTGGTAGTCCTGTGCAGATCGACCAGCTGTTGAAGAAGTTACAAGTGCCCAAGAAAAATCCTCAACCA
AGTCCTTTACCGCTGAAGAAAGAGGGCCGAGTGTCTCGCCGGCCAGCGACGTGGTCTTAGGTGGA
GATGGGGCTTCCGAGATGGGGCTCCCGAGATCCCTGAGGACTCCGCTGCCAGCCTAGCCTTGAAGAAA
GGATATTAAGATTCTGGAGACTAAAGGGCCCCAGAGGGCCCTGCATATCGCCAAGGCTCTGGGAATGAC
GACGGCCAAAGAAGTGAACCCATCCTGTATTCCATGAGGAATAAGCACCTTCTGACCGTGTCTGACACA
CAGATGTGGACCATCTACCGCTCAAGCCAGGAAGGCCAAGAGCGAGCTTGTTCGGAGTCGGACAAGAGT
CCCCTGCGGTTATTTACCAGCAAATCCGATCAACATGATCTGCCAACAAGGACCAACAGCCTCATCTC
TATTTCCAACCTAAAAGCCATCCAGATTGGCCATGGGAATGTTATGTCAAGACAGACAATCTGTGGTGAC
CCAGGTCCCGGGACTCCTCACCACGCCCTCTACCCGTGCTAGAGGATGCTGCTGCTCAGGACACGCCCC
CTGGTACCCACGGAGCTCAACTCATCCACCTGAACAAGTCCATGCTCCGACGTGTGCAGCTCGGCCACGG
CAACGAGATGAACCTCGAGAGGGATCCAGTGGAACACCCCAATTTTCAGCTTTAGTAGCCCCCAGAG
TCAACCACCACTGCAGACCCAGAAACTGCATTCACATGCAAACACCTGAGCCAGGCCCTCACCCCTGAGG
GAGGCACAACCCAGATAGTCCACATCAAATCCTGCTTGTAGAGGACACGACCGTCGGCAACAACAACA
GATGACCATCCACGTAGGTCAAAGGTGGAGCCAAGGAGTCTGCAGACAGCCAAGAAGTAAAGAGAC
ACAGGTGCAAGTTCTGAAGCCACGCCACCCAGAAGCTGCTTGACACACCCAGCGACTCCACCCTGCTCA
CCTCTGAGCTGACAGCTATGGCTCTGGGAGATGGCAGCCCCAGATCACAGAATCTATGCTTAGAGAGGA
TGAAGTGCAGGCCGAGAACTGTGACACGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216590 representing NM_133564
 Red=Cloning site Green=Tags(s)

MAEASVDLGTGDNLEQKILQVLS DAGSPVQIDQLLKKLQVPKKILNQVL YRLKKEGRVSSPAPATWSLGG
 DGASGDGAPEIPEDSAAQPSLEERILRFLETGQPQRALHIKALGMTTAKVNPILYSMRNKHLLTVSDT
 QMWTIYRSSQEQERACSGVQGESPAVIYQONPINMICQQGPNLSISINSKAIQIGHGNVMSRQTICGD
 PGPGTPHHAPLPVLEDAAAQDTPPGTHGAQLIHLNKSMRLRRVQLGHGNEMNLERDPVEHPIFSFSPPPE
 STTADPETAFNMQTPEPGHPGGTTQIVHIKSCLLEDTTVGNNNKMTIHRRSKGGAKESADSQELKED
 TGASSEATPPRSCLHTPSDSTLLTSELTAMALGDGSPQITESMLREDEVQAAETCQTQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

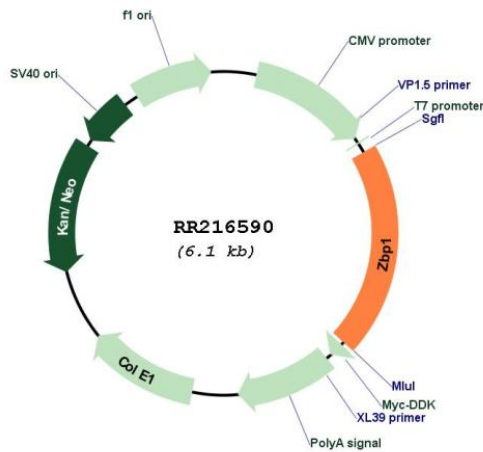
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133564

ORF Size:	1227 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:	<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:	NM_133564.1 , NP_598248.1
RefSeq Size:	1692 bp
RefSeq ORF:	1230 bp
Locus ID:	171091
Cytogenetics:	3q42
MW:	43.9 kDa
Gene Summary:	DNA binding protein; thought to bind Z-DNA, which is largely controlled by the amount of supercoiling [RGD, Feb 2006]