

Product datasheet for **RC227516**

ZBTB8B (NM_001145720) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB8B (NM_001145720) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB8B
Synonyms:	ZNF916B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227516 representing NM_001145720
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATGCAATCCTATTATGCCAAGCTTTTGGGGAGCTGAATGAACAGAGAAAGAGGGACTTTTTCT
 GTGACTGCAGCATCATTGTGGAAGGCGGATCTTCAAGGCCACAGGAACATTTTGTGTAACAGCGG
 CTACTTCCGAGCCCTGCTCATTCACTATATCCAGGACAGCGGGCGCATAGCACCCGCTCCTTGACATT
 GTCACCTCTGATGCCTTCTCCATCATCTTAGATTTCTCTATTCTGGAAAGTTGGATTTGTGTGGGAGA
 ATGTGATTGAAGTGATGTCGGCTGCCAGCTACCTGCAGATGAATGACGTGGTGAACCTTCTGCAAGACATA
 CATTAGGTCATCCCTCGACATTTGCCGAAAGATGGAGAAGGAGGCTGCTGTGGCTGCAGCAGTGGCGCG
 GCAGCGGGCGGCTGCAGCGGGCAGCAGCGGGCTCATCAGTTGACAGTGAAGCCCCAGTTCAG
 GCCGGGAGGGACCTCCTGTGGTACCAAGAGCTTGGTCTCCTCTCCAGCCGAGGGAGAAAAGAGCGTGGA
 GTCCCTGAGAGAGTCCCCTTGGGTGACTGCGGAGACTGCCACCCCTTGGAACTGGTGGTGAAGACAGC
 CTTGGCGGTGGCTCGGCTGACAGCAACCTCTACTCCACCCAAACGGATAGAGCCAAAGGTGGAATTTG
 ATGCTGATGAAGTGGAGGTGGACGTTGGTGAACAGCTGCAGCAGTATGCTGCCCGCTGAACCTGGCCCA
 CGTGGAGGAGGCCTTGCCAAGCGGCCAGGCGGTTGACTTGGCTTACAGCAACTACCACGTGAAGCAGTTC
 CTGGAGGCGCTTTCGCAACAGCGCTGCCCGGAGCAAGGATGATGCAGACCATCACTTTTCTAGGAGTT
 TGGAAAGGAAGACCAGAAGGTGCAGGAGTAGCCATGAGTTCATGATGGATGTCCAGGCTGACTGGTATGG
 AGAGGACTCAGGTGATGTGCTGGTGGTCCCATCAAGCTCCACAAGTGTCTTTCTGCCCTTACTGCTGCC
 AAACAGAAGGGCATCCTCAAGCGGCACATCCGTTACACACAGGGCAGCGGCCCTACCCCTGTGAGACCT
 CGGGCAAGAGGTTCACTCGACAAGAGCACCTGCGGAGCCACGCACTGAGTGTCCACAGATCCAACCTCC
 AATCATCTGCAAGGGCTGCAGGAGAATTCACGAGTCACTGTCCAGGGGCTGCGGCGCTTCGGGCTG
 TGTGACAGCTGCACCTGCGTTACAGACACCCGATGATGATGATGATTTGATGCCCATCAACCTTAGCT
 TGGTGGAGGCTTCATCTGAAAGCCAAGAAAAGAGCGACACAGACAATGACTGGCCAATCTATGTGGAGTC
 GGGTGAGGAAAATGACCCTGCTGGAGATGATTCTGATGACAAACCACAAATTCAGCCTAACTTATCAGAC
 CGAGAGACACTTACG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227516 representing NM_001145720
 Red=Cloning site Green=Tags(s)

MEMQSYAKLLGELNEQRKRDFFDCSIIIVEGRIFKAHRNILFANSQYFRALLIHYIQDSGRHSTASLDI
 VTSDAFISIILDFLYSGKLDLCEGENVIEVMSAASYLQMNVDVNFCKTYIRSLDICKRMEKEAAVAAVAA
 AAAAAAAAAAAHQVDESPSSGREGTSCGTKSLVSSPAEGEKSVECLRESPCGDCGDCHPLELVVRDS
 LGGGSADSNLSTPPKRIEKPVEFDADEVEVDVGEQLQYAAPLNLAHVEEALPSGQAVDLAYSNYHVQF
 LEALLRNSAAPSKDDADHHFSRSLEGRPEGAGVAMSSMDVQADWYGEDSGDVLVVPKILHKCPFCPYTA
 KQKQKILKRHIRSHTGERPYPCETCGKRFTRQEHLRSHALSVHRSNRPIICKGCRRTFTSHLSQGLRRFGL
 CDSCTCVTDTPDDDDLMPIINLSLVEASSESEKSDTDNDWPIYVESGEENDPAGDSDDKPQIQPNLSD
 RETLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8037_g11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001145720

ORF Size: 1485 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_001145720.2](#)

RefSeq ORF: 1488 bp

Locus ID: 728116

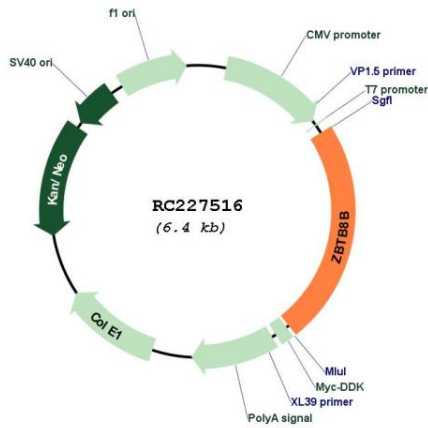
UniProt ID: [Q8NAP8](#)

Cytogenetics: 1p35.1

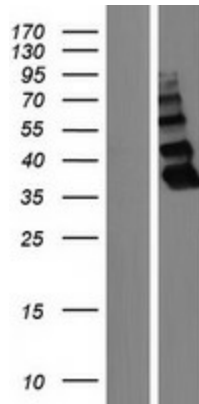
MW: 54 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227516



Western blot validation of overexpression lysate (Cat# [LY428984]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227516 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).