

Product datasheet for **RC208182**

ZBTB12 (NM_181842) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB12 (NM_181842) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB12
Synonyms:	Bat9; C6orf46; D6S59E; G10; NG35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208182 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTGGGTGGAAGTCCTGCGCTTCCAGCTGCCCGCCACGAGGCCGCAACGCTACGGAACATGA
 ACCAGCTCCGGGCAGAGGAGCGTTCTGCGACGTGACCATTGTGGCCGACAGCCTCAAGTTTCGAGGCCA
 CAAGGTCACTTTGGCCGCTGCTCACCTTCTGCGGGACCAGTTCTGCTGAACCCAGCTCGGAGCTG
 CAGGTCTCCCTGATGCACAGTGCACGCATCGTGGCCGACTTGTCTCTCTCTGCTACACGGGCGCCTGG
 AATTTCGCTGTAGGGACATCGTCAACTACCTTACAGCCGCTCTACCTGCAGATGGAGCACGTGGTGA
 GAAATGCCGGAATGCCCTCAGCCAGTTCATTGAGCCAAAATAGGCCTCAAAGAGGATGGGGTCAGTGAG
 GCTAGCCTTGTGAGCAGCATCAGCGCCACCAAGTCCCTCCTCCCTCCAGCCAGGACCCCAAAGCCAGCCC
 CGAAGCCCCACCCACCTCCTACCCCTCCACTCCTGCGGCCAGTGAAGCTGGAGTCCCCTACTGGA
 TGAAGACTTGGAGCTGAAAGCCGAGGAAGAGGATGAGGATGAGGATGAGGACGTGTCTGACATCTGCATC
 GTCAAGGTGGAGTCGGCCCTGGAGGTGGCACACCGGCTCAAACCCCTGGAGGCCTGGGAGGGGGTCTGG
 GCATTGGAGGCTCCGTGGGTGGCCACCTTGGGGAGCTGGCCAGAGCAGCGTTCCCCCAGCACTGTAGC
 CCCACCGCAGGGTGTGGTGAAGGCTGTATAGCCTGTCGGAAGATGCAGAAGGGGAGGGCCTGCTGTTG
 ATTCGCGGAGGCCGGCCAGCGTGGGGCCACCTCGGGCCTGGTGAAGCAGCAGCGGTGGCCATGGCTG
 CCCGGGGGGCGGGGGCAGCCTGGGGGGGGGGCAGCCGGGGACCCCTGCCTGGGGCTTCTCAGGTGG
 AAACCCCTTAAAGAACATCAAGTGCACCAAGTGCCCGAAGTGTCCAGGGCGTGGAGAAGCTGGTCTTC
 CACATCGGGCGCAGCACTTTCATCTTTCATGTGCCCTCGCTGTGGAAGCAGTTCAACCACAGCAGCAACC
 TCAACCCACATGAACGTGCATCGTGGTGTCAAGTCACTCGTGCAGCATCTGCGGCAAGTGTTCAC
 ACAGAAGTCCACCTTACGACCACCTCAACCTGCACTCGGGAGCGCGGCCCTACCCTGCTCCTACTGC
 GACGTGCGCTTCGCCACAAGCCTGCCATTAGCGGCACCTCAAGGAGCAACACGGCAAGACCACGGCCG
 AGAACGTGCTGGAGGCCAGTGTGGCCGAGATTAACGTCCTCATCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208182 protein sequence
 Red=Cloning site Green=Tags(s)

MASGVEVLRFLPGHEAATLRNMNQLRAEERFCDVTIVADSLKFRGHKVIILAAACSPFLRDQFLNPSSEL
 QVSLMHSARIVADLLLSCYTGALEFAVRDIVNYLTAASYLQMEHVVEKCRNALSQFIEPKIGLKEDGVSE
 ASLVSSISATKSLPPARTPKPAPKPPPPPLPPPLLRPVKLEFPLDEDELELKAEEDEDEDEVDSDICI
 VKVESALEVAHRLKPPGGLGGGLIGGSVGGHLGELAQSSVPPSTVAPPQGVVKACYSLEDAEAGEGLLL
 IPGGRASVGATSLVEAAVAMAARGAGGSLGAGGSRGPLPGGFSGGNPLKNIKCTKCEVFQGVKLVF
 HMRAQHFI FMCPRCGKQFNHSSNLNRHMNVHRGVKSHSCGICGKCFQKSTLHDHLNLHSGARPYRCSYC
 DVRFAHKPAIRRHLKEQHGKTTAENVLEASVAEINVLIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6789_d05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_181842

ORF Size: 1377 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_181842.3](#)

RefSeq Size: 1865 bp

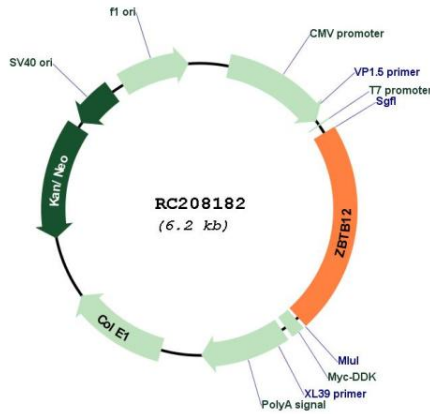
RefSeq ORF: 1380 bp

Locus ID: 221527

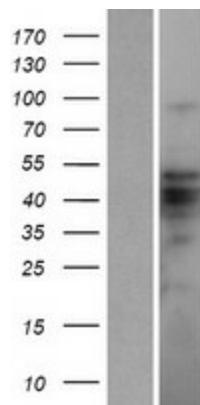
UniProt ID: [Q9Y330](#)

Cytogenetics: 6p21.33

Protein Families: Transcription Factors
MW: 49.1 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC208182



Western blot validation of overexpression lysate (Cat# [LY405549]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208182 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).