

Product datasheet for **RC209962**

BTBD15 (ZBTB44) (NM_014155) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	BTBD15
Synonyms:	BTBD15; HSPC063; ZNF851
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC209962 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTGTGAAAACATTTACTCATAGCTCCTCTCCACAGCCAGGAAATGCTTGAAAGCTAAATATGC
 TGCAGAAATGATGGACATTTTGTGATATCACTATTCGTGTCCAGGACAAAATCTCCGGGCACATAAGGT
 GGTACTAGCAGCTTGCACTGATTTCTTTCGACCAAATTTGTAGGCCAAGCCGAGGATGAGAACAGAAT
 GTGTTGGATCTGCATCATGTTACAGTGACTGGCTTTATACCTCTTTTAGAATATGCTTACACAGCCACTC
 TATCAATTAACACAGAAAATATTATGATGTTCTAGCAGCAGCCAGCTATATGCAAAATGTTCACTGTTGC
 CAGCACTGCTCAGAGTTCATGAAATCAAGCATTATGGAATACACCAACAGCCAACTGAAAAGGGT
 CTAGATGCTGGACAAGAAAATAATTCTAACTGCAATTTTACTTCTCGAGATGGGAGCATTCTCCCGTGT
 CCTCAGAGTGCACTGGGTAGAAAGAACCATTCCTGTCTGCCGAGAATCCCGGAGAAAGCGCAAAAGCTA
 CATTGTTATGCTCCTGAAAGTCTGTAAAGTGTGGCAGACAAAACAGCTACCCCGAGTATTGAATTCT
 TCAGCTTCCTACTCAGAAAATAGAAACCAACAGTTGACTCTTCCTTAGCTTTTCTTGGACTTTTCCTT
 TTGGAATTGATCGAAGGATTCAGCCTGAGAAAGTTAAGCAAGCAGAAAATACCCGGACTTTAGAATTACC
 TGGCCCATCTGAGACCGGTAGAAGATGGCTGATTATGTGACTTGTGAGAGCACAAAACACTACCTGCTC
 TTAGGTACCGAAGAAGATGTCGGGTCAAAGTAGAAAGATTAAGTGATGAGGAGTCCATGAGGAAGTGT
 CCCAGCCTGTCACTGCTCAGAGTTCGCTGAGTGATCAGCAGACAGTTCCAGGAAGTGAACAAGTCCA
 AGAGGACCTTCTGATTAGTCCACAGTCTTCTCTATAGGCTCAGTAGATGAAGGCGTTTCTGAGGCTTG
 CCTACACTTCAAAGCACGTCTAGCACTAATGCTCCTCCGGATGATGATGATGATTGGAATGTTCACT
 ATCCCTACCAACTCTACATTGCTCCTTCCACCAGCAGTACAGAGCGACCAAGTCCAAATGGTCCCGACAG
 ACCTTTTCACTGTCCAACCTGCGGGGTGCGATTACCCGTATTGAGAACCTAAAGCAGCACATGCTCATC
 CACTCAGGAATTAACCATTTCACTGTGACCGCTGTGGGAAAAAGTTACCAGGGCTTACTCGCTAAAGA
 TGCATCGCCTAAAGCATGAAGTGATTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209962 protein sequence
 Red=Cloning site Green=Tags(s)

MGVKTFTHSSSSHSQEMLGKLNMLRNDGHFCDITIRVQDKIFRAHKVVLAACSDFFRKLVGQAEDENKN
 VLDLHHVTVTGFIPLLEYAYTATLSINTENIIDVLAASYMQMFSVASTCSEFMKSSILWNPNSQPEKG
 LDAGQENNSNCNFTSRDGSISPVSSECSVVERTIPVCRESRRKRKSYIVMSPESPVKCGTQTSSPQVLNS
 SASYSERNQPVDSSLAPWTFPFGIDRRIQPEKVKQAENTRTLELPGPSETGRRMADYVTCESKTTLP
 LGTEEDVRVKVERLSDEEVHEEVSQPVSAQSLSLSDQQTVPQSEVQVEDLLISPQSSSIGSVDEGVSEGL
 PTLQSTSSNAPPDDDRLENVQYPYQLYIAPSTSSTERPSPNGPDRPFQCPCTCGVRFTRIQLKQHMLI
 HSGIKPFQCDRCGKKFTRAYSLKMHRLKHEVIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6148_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014155

ORF Size: 1359 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.

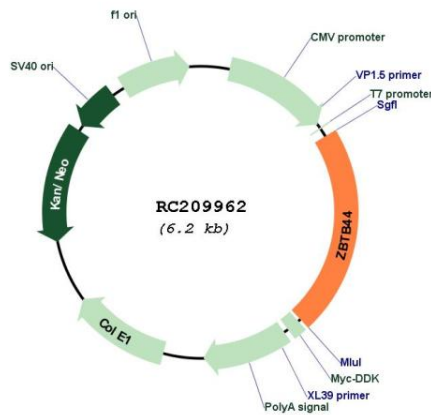
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014155.4](#)

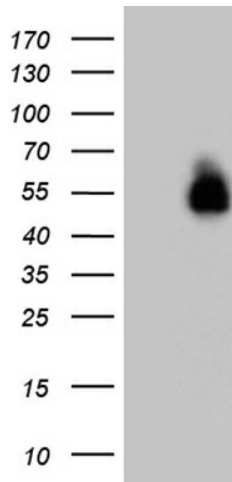
RefSeq Size: 9351 bp

RefSeq ORF:	1362 bp
Locus ID:	29068
UniProt ID:	Q8NCP5
Cytogenetics:	11q24.3
MW:	50.3 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

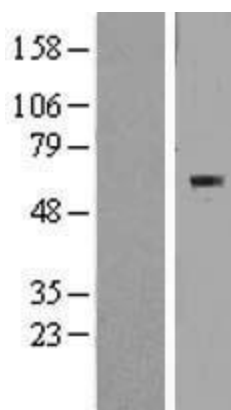
Product images:



Circular map for RC209962



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZBTB44 (Cat# RC209962, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ZBTB44 (Cat# [TA811511])(1:2000). Positive lysates [LY402282] (100ug) and [LC402282] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402282]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209962 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).