OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC214144

ZBTB39 (NM_014830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB39 (NM_014830) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB39
Synonyms:	ZNF922
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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ORF Nucleotide Sequence:

>RC214144 representing NM_014830
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCATGAGGATCAAACTGCAAAGCACCAACCACCCCAACAACCTGCTGAAGGAACTCAACAAGTGCC
GGCTCTCAGAGACCATGTGCGACGTCACCATTGTGGTGGGGAGCCGCTCCTTCCCGGCCCACAAGGCTGT
GCTGGCCTGTGCAGCTGGCTACTTCCAGAACCTCTTCCTGAATACTGGGCTTGATGCTGCCAGGACCTAT
GTGGTGGACTTCATCACCCCTGCCAACTTTGAGAAGGTTCTGAGCTTTGTCTACACTTCAGAACTCTTCA
CAGACCTGATCAATGTTGGGGTCATCTACGAGGTAGCTGAGCGTTTGGGTATGGAGGACCTCCTCCAGGC
CTGTCACTCTACCTTTCCTGATCTGGAGAGCACTGCCAGGGCCAAGCCCCTGACCAGCACCAGTGAGAGC
CACTCTGGTACCCTGAGTTGTCCTTCGGCAGAACCTGCCCATCCCCTTGGAGAACTCCGAGGTGGTGGGG
ACTACCTTGGTGCTGATAGAAACTATGTGTTGCCCAGTGATGCTGGAGGGAGCTATAAAGAGGAAGAGAA
GAATGTTGCCAGTGACGCTAACCATAGCCTGCATCTGCCGCAACCGCCCCCACCACCGCCAAAGACAGAA
GACCATGACACCCCTGCTCCCTTCACGTCCATTCCTAGCATGATGACCCAGCCACTCCTAGGCACTGTCA
GCACGGGCATCCAGACCAGCACGAGCTCCTGCCAGCCATACAAAGTTCAAAGCAATGGAGACTTCAGTAA
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GAGCACTCCAAAGATCCTGGCTTTGGGCAGATGGATGAGCTCCAGCTCGAGGACCTGGGGGATGATGACT
TGCAGTTTGAAGACCCTGCTGAGGATATAGGCACAACTGAGGAGGTGATTGAGCTGAGTGATGACAGTGA
GGATGAGTTGGCTTTTGGAGAGAATGACAATCGGGAGAATAAGGCCATGCCCTGCCAGGTGTGCAAGAAA
GTTCTAGAGCCCAACATTCAACTGATCCGGCAGCATGCTCGGGACCATGTGGACCTGCTGACGGGCAACT
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TTTCCTTTTCTCCTGCGACATGTGTGAAACTAAGTTCTTTACCCAGTGGCAGCTGACCCTTCACCGACGG
GATGGAATATTTGAGAACAACATCATTGTCCACCCCAACGATCCCCTGCCAGGGAAGCTGGGTCTCTTTT
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AACCTCTGCAGCCTCATGTGGCACACGCTGTCCCATCTCGGCATCTCAGTCTTCTCCTGTTCTGTCTGTG
CGAACAGCTTTGTGGACTGGCATCTTCTAGAGAAGCACATGGCTGTGCACCAAAGTCTGGAAGACGCCCT
CTTCCACTGCCGCTTGTGCAGCCAGAGCTTCAAGTCAGAGGCTGCCTATCGCTACCACGTCAGCCAGCAC
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CAAGGTCTGTGGCAAAAGATTTGCCCACACAAGCGAATTCAACTACCACCGGCGGATCCACACGGGGGAG
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CACACTCGGGGGCCCTCATGTACCGCTGCACAGTCTGTGGGCACTACAGTTCCACCCTTAACCTCATGAG
CAAACATGTTGGTGTGCACAAAGGCAGCCTCCCCCCTGACTTCACCATCGAGCAGACCTTCATGTACATC
ATCCATTCCAAAGAGGCGGATAAGAACCCGGACAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC214144 representing NM_014830
Red=Cloning site Green=Tags(s)

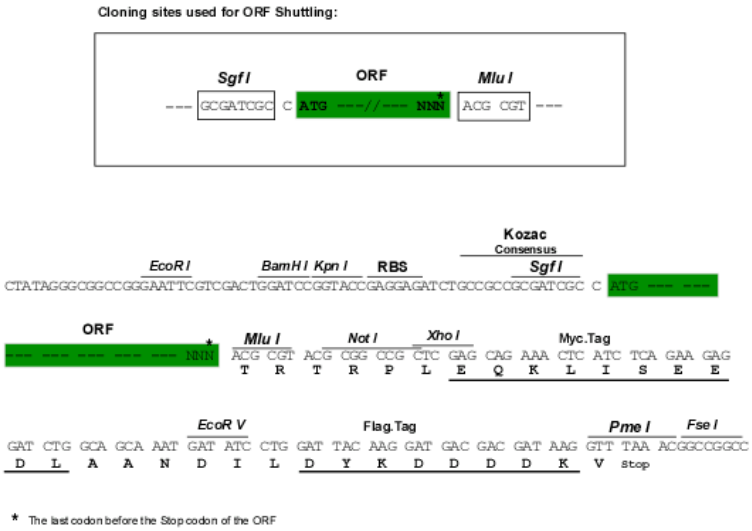
MGMRIKLQSTNHPNNLLKELNKCRLSETMCDVTIVVGSRSFPAHKAVLACAAGYFQNLFLNTGLDAARTY
VVDFITPANFEKVLSFVYTSELFTDLINVGVIYEVAERLGMEDLLQACHSTFPDLESTARAKPLTSTSES
HSGTLSCPSAEPAHPLGELRGGGDYLGADRNYVLPSDAGGSYKEEEKNVASDANHSLHLPQPPPPPPKTE
DHDTPAPFTSIPSMMTQPLLGTVSTGIQTSTSSCQPYKVQSNGDFSKNSFLTPDNAVDITTGTNSCLSNS
EHSKDPGFGQMDELQLEDLGDDDLQFEDPAEDIGTTEEVIELSDDSEDELAFGENDNRENKAMPCQVCKK
VLEPNIQLIRQHARDHVDLLTGNCKVCETHFQDRNSRVTHVLSHIGIFLFSCDMCETKFFTQWQLTLHRR
DGIFENNIIVHPNDPLPGKLGLFSGAASPELKCAACGKVLAKDFHVVRGHILDHLNLKGQACSVCDQRHL
NLCSLMWHTLSHLGISVFSCSVCANSFVDWHLLEKHMAVHQSLEDALFHCRLCSQSFKSEAAYRYHVSQH
KCNSGLDARPGFGLQHPALQKRKLPAEEFLGEELALQGQPGNSKYSCKVCGKRFAHTSEFNYHRRIHTGE
KPYQCKVCHKFFRGRSTIKCHLKTHSGALMYRCTVCGHYSSTLNLMSKHVGVHKGSLPPDFTIEQTFMYI
IHSKEADKNPDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6676_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014830

ORF Size: 2136 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.

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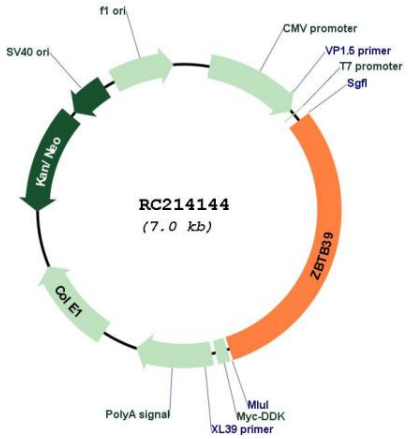
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile 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_014830.1, NP_055645.1
RefSeq Size:	6170 bp
RefSeq ORF:	2139 bp
Locus ID:	9880
UniProt ID:	O15060
Cytogenetics:	12q13.3
Domains:	BTB, zf-C2H2
Protein Families:	Transcription Factors
MW:	78.8 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214144

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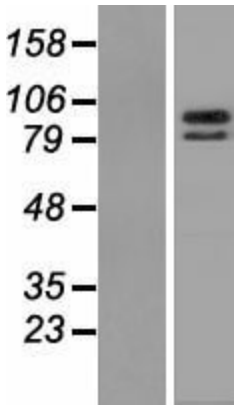

Western blot validation of overexpression lysate (Cat# [LY415034]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214144 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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