

Product datasheet for **RC225863**

ZBTB37 (NM_001122770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZBTB37
Synonyms:	D430004I08Rik; ZNF908
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC225863 representing NM_001122770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAAAGGTGGGAACATACAATTGGAGATTCCTGACTTCAGCAACTCTGCTCTGAGCCATCTAAACC
 AGTTGCGCATGCAGGGCCGTCTCTGTGATATTGTGGTCAATGTGCAAGGACAAGCTTTTCGGGCTCACAA
 AGTGGTGCTGGCTGCCAGCTCCCCCTATTTCCGGGATCACATGCTCTTGAATGAGATGAGTACAGCTCTCC
 ATTTCACTCATCAAGAACCCTACTGTTTTTGAACAGCTCCTTTCTTTCTGTTACACAGGGCGGATATGCC
 TGCAACTGGCAGATATCATCAGCTACCTAACAGCTGCCAGTTTCTGCAATGCAGCATATTATAGACAA
 ATGTACACAGATCCTGGAGGGCATTCAATTTCAAAATTAATGTGGCTGAGGTTGAAGCAGAATTAAGTCAA
 ACAAGGACAAGCATCAAGAGAGACCTCCAGAGTCTCACAGGTTACACCAATCTCAACCCTCCCTTA
 GCCCACGACATAATACCCAAAGGGAACCGGCGAGGTAGGTTAGTGCTGTGCTGGATATCAGAGAGCT
 AAGTCTCTGAGGAGTCCACGAGCCTCAGATCATTGAACCAAGTTCTGATGTAGAGAGCCGGGAGCCC
 ATTCCTCGGATCAACCGAGCAGGACAGTGGTATGTGGAGACAGGAGTGGCGGACCGTGGGGTCTGGAGTG
 ATGATGAAGTTAGAGTTCTTGAGCAGTACACATCAAACTGAAATCTGGAGGAGTGGCTTGGGCTGA
 GAATCAGCCTTCTGGAGAAGATGGGAGTAGTGACAGGGAAGTAACAGCCATGGTATTGATACACAGGC
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 GTGAAGTTGACAGATTTAGCCCTCCGGCAGTGTGTTCCCTTGACAGAGAGACACAGAGCCAGAAGTGA
 GTCTCTGGGAGAATGGATGAGCCTAAGCAACCCAGCTCCAGGTAGAAGAGTCAGCAATGATGGGAGTA
 AGTGGCTATGTGGAGTATCTCCGAGAGCAGGAAGTATCTGAGCGGTGGTCCGGTACAACCTCTGTCTCA
 CCTGCATCTATTGCGCCAAATCTTTCAACCAGAAGGGAAGCCTGGACCGCCACATGCGCTACACATGGG
 GATCACACCATTCGTCTGCCGATGTGTGGCAAGAAAGTATACCCGAAAGATCAGCTGGAGTATCATATC
 CGCAAGCACACAGGCAACAAGCCCTTCACTGTCTGTGTGGCAAAAGTTTCCCCTTCCAGGCCATCT
 TGAATCAGCACTTTCGCAAAAACCCCTGGCTGTATACCCCTGGAGGGGCCTCACAGCATCTCCCTGA
 AACCACTGTACATCTCGAGGACAAGCTGAGGAAGAGTACCTTCACAGGAAGAGACAGTTGCTCCTGGG
 GAAGCTGTCCAGGGCTCTGTGTCCACCACTGGGCCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225863 representing NM_001122770
 Red=Cloning site Green=Tags(s)

MEKGGNIQLEIPDFSNSVLSHLNQLRMQGRLCDIVVNVQQAFAHKKVLAASSPYFRDHMSLNEMSTVS
 ISVIKNPTVFEQLLSFCYTGRICLQLADIISYLAASFLLQMHIIIDKCTQILEGIHFKINVAEVEAELSQ
 TRTKHQRPPESHRTVTPNLNRSLSRPHNTPKGNRRGQVSALVDIRELSPPEESTSPQIIIEPSSDVESREP
 ILRINRAGQWYVETGVADRGGRSDDEVRLGAVHIKTENLEEWLGPENQPSGEDGSSAEVETAMVIDTTG
 HGSVQENYTLGSSGAKVARPTSSEVDRFSPSGSVVPLTERHRARSESPGRMDEPKQPSSQVEESAMMGV
 SGYVEYLREQEVSEWFRYNPRLTCIYKASFNQKSLDRHMLHMGITPFVCRMCGKKYTRKDQLEYHI
 RKHTGNKPFHCHVCGKSFPPQAILNQHFRKNHPGCIPLLEGPHSISPETTTSRQAEESPSQEETVAPG
 EAVQGSVSTTGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8063_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001122770

ORF Size: 1509 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:

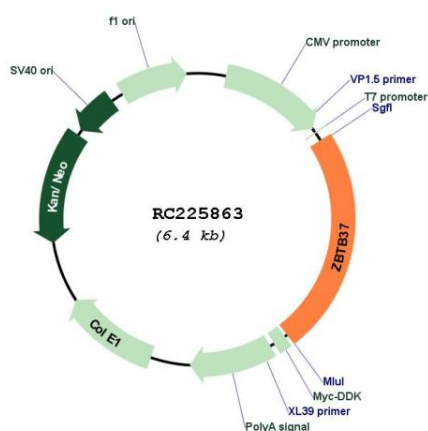
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001122770.3](#)

RefSeq ORF:	1512 bp
Locus ID:	84614
UniProt ID:	Q5TC79
Cytogenetics:	1q25.1
Protein Families:	Transcription Factors
MW:	55.9 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225863