

Product datasheet for **RC207760**

ZBTB25 (NM_006977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB25 (NM_006977) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB25
Synonyms:	C14orf51; KUP; ZNF46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207760 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACACTGCCAGCCATAGCCTTGTCTCTCCAGCAGCTGAACATGCAGCGAGAATTTGGTTTTCTGT
 GTGATTGCACAGTTGCAATTGGAGATGTTACTTCAAAGCCACAGAGCAGTGCTTGCTGCTTTTTCTAA
 CTATTTCAAGATGATATTTATTACCAAACAAGTGAATGCATAAAAAACAACCAACTGACATCCAACCT
 GACATATTCAGCTATTTGTTGCACATTATGTACACGGGAAAGGGCCAAAACAGATTGTGGATCATAGTC
 GTTTGGAGGAAGGGATTGATTTCTTACGCCGACTACCTTTCTCACATTGCAACTGAAATGAATCAAGT
 GTTCTCACCAGAGACTGTGCAGTCTCAAATTTATATGGCATTGAGATCTCAACAACCCAAAAACAGTT
 GTCAAAACAAGGACTGGAGGTCAAAGAAGCTCCTCCAGTAACAGTGAAACAGAGCTGCTGTCCAGGGTG
 ACCACCCCAGTTGCAGTTGCTCTTGGTATTGGTCTGGATGATGGCACTGCAGACCAGCAGAGGGCCTG
 TCCTGCCACCCAGGCCCTGGAGGAGCACCAGAAGCCCCAGTTTCCATCAAGCAGGAGAGATGTGACCCA
 GAATCTGTGATCTCCAGAGCCACCCCTCACCTCATCAGAGGTGACAGGCCCACTTTTACTGAAAACA
 GTGTCAAATAACACTTATGCCATTACTGTGGGGAACGTTTTGATTCCTAGTAACTAAGGCAACATCT
 CCATACACATGTGTCTGGATCCCTGCCATTCGGTGTCCCTGCTTCCATTCTGAAAGTAATGACCTTGGT
 GAAGTGCATCCCCTTAATGAAAACAGCGAGGCCCTTGAATGCCGAGGCTCAGCTCCTTCAATTGTTAAGG
 AGAATGAACAGCAGCCAGACCACCAACCGGGGTACCACAGAGCCTTTCAGATCAGTCAAGTATCTTT
 GATCTCCAAAGACACAGAGCCAGTAGAATTAACCTGTAATTTTTCTTTTTCAAGGAAAAGAAAAATGAGC
 TGTACCATCTGTGGTATAAATCCCTCGAAAGAGCCAATTGTTGGAACACATGTATACACAAAAGGTA
 AATCTTACAGATAAACCGATGCCAAAGTGGTAATGCATTGGCCAGAGATTCAGCCATACTGTGA
 CAGCTGGTCTGATGTCTCCCTGAAAAGTTCTCGCTTGTACAAGAACACTTAGACTTGCCTTGTGCCTTA
 GAGTCAGAGCTCACACAAGAAAATGTGGATACTATCCTAGTTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207760 protein sequence
 Red=Cloning site Green=Tags(s)

MDTASHSLVLLQLNMQREFGFLCDCTVAIGDVYFAHRAVLAASFNYFKMIFIHQTSECIKIQPTDIQP
 DIFSYLLHIMYTGKPKQIVDHSRLEEGIRFLHADYLSHIATEMNQVFPETVQSSNLYGIQISTTQKTV
 VKQGLEVKEAPSSNSGNRAAVQGDHPQLQLSLAIGLDDGTADQQRACPATQALEEHQKPPVSIKQERCDP
 ESVISQSHSPSSEVTGPTFTENSVKIHLCHYGERFDSRNLRQHLHTHVSGSLPFGVPASILESNDLG
 EVHPLNENSEALECRRLSSFIVKENEQQPDHTNRGTTEPLQISQVSLISKDTEPVELNCFSSF SRKRKMS
 CTICGHKFPKRSQLEHMYTHKGKSYRYNRCQRFGNALAQRFQPYCDSWSDVSLKSSRLSQEHLDLPCAL
 ESELTQENVDTILVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6338_g08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_006977

ORF Size: 1305 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_006977.5](#)

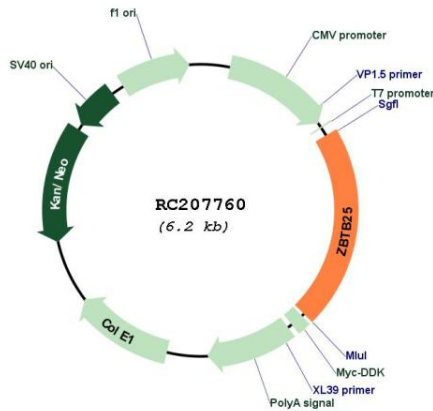
RefSeq Size: 1609 bp

RefSeq ORF: 1308 bp

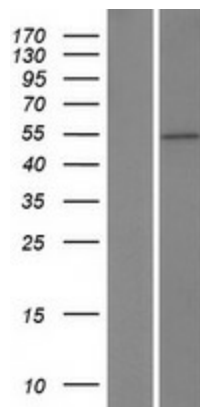
Locus ID: 7597

UniProt ID: [P24278](#)
Cytogenetics: 14q23.3
Domains: BTB, zf-C2H2
Protein Families: Transcription Factors
MW: 49 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207760



Western blot validation of overexpression lysate (Cat# [LY416294]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207760 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).