

Product datasheet for **RC217622**

KBTBD3 (NM_152433) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	KBTBD3
Synonyms:	BKLHD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC217622 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAATTGGCTATGGATAATTCATATGCTTTCAATCAACGAAGCACATGTAATGGAATTCATCTGAGA
 AGAAAAACAACTTCCTTGATCAGAAGATCATGGACAAAAATCTTAAGTGACTACAGAATTTAGAGA
 ACAAATGTCTTTATGATTTCAAAATAATTATGAAAGATGAAATAATCCCGTGTATCGTTGTGTGTTA
 GCAGCATGCAGTGACTTTTTCAGGGCTATGTTGAAGTAAACATGAAAGAAAGAGATGATGGAAGTGT
 CCATTACTAATTTGTCTCCAAGGCAGTAAAGCATTCTCGATTATGCCTATACTGGAAAAACAAAAAT
 AACAGATGATAATGTGGAATGTTCTTCCAGTTGTCATCATTCTTCAAGTTTCTTCTCTATCCAAAGCT
 TGCAGTGACTTTTTAATAAAAAAGTATTAATCTTGTCAATTGTTACAGTTATTATCTATATCAGATAGCT
 ATGGCTCCACCAGTTTGTGATCATGCATTACACTTTGTACAACATCACTTTTCTTTATTATTTAAATC
 CAGTGATTTCTTAGAGATGAATTTGGAGTACTACAGAAATGTCTGGAATCAGATGAATTAATGTTCT
 GAAGAAGAAATGGTACTGAAAGTTGCCTTAGTTGGACTAAACATAACTTAGAATCAAGGCAAAAGTATC
 TGCCTCATTGATTGAAAAAGTGAGATTACATCAGTTATCTGAGGAGACACTTCAGGACTGTCTGTTCAA
 TGAAGAGAGTTTACTCAAAGCACAACTGTTTGACATAATCATGGATGCAATTAAGTGTGTGCAAGGT
 TCTGGTGGACTCTCCCTGATGCTCGACCATCCCACTGAGAAATACATATTCATTACAAAACGAGG
 AAAATGGAGAAAAATCAATATACATTTTGTATAACATTAATCTGATTCTGGAATACTGCCGCAATC
 ACACCTGATTGATTGCCAGGATCTAGTCTTTCAGTTACGGAGAGAAAAATATTCTTGACAGGTGGTTGC
 AAAGGGAATGTTGTCGAACGGTTCGACTGCATATTGCCGAGTCATATCATGATGCCACTGATCAAACCT
 GGTGCTACTGTCCAGTAAAAATGATTCTTCTTGGTATCAACTATGAAAACACCAAGAACCATGCATAC
 ATCAGTTATGGCTCTCGATAGATTATTTGTCATAGGTGAAAAACTAGAGGATCCCGGGACATTAAGT
 CTCTTAGATGTTGAATCTTACAATCTCTTCCAAAGAATGGATATCTGTTAGCCCATTAACCCAGAGGCA
 TATACTATCCAGAAGCAAGCACATGCCAAATGTAATTTATGTTCTTGGATCAGAGGTAGAGATTACAGA
 TGCTTTTAACCCATCACTTGATTGCTTTTTAAATACAATGCTACAACGATCAGTGGTCTGAACATGTA
 GCAGAGTTTGGCAATTTTTCATGCAACATTAATTAAGCTGTACCAGTAACTGTACACTGTATATAT
 GTGACCTTTCCACCTATAAGGTTTATAGTTTGTCCAGACACTTGTGTTGGAAGGCGAAGGATCTTT
 TGAGTGTGAGGCTTAAATGCAGGTGCAATTGGAATTGAAGATAAAATTTATATATTAGGTGGTATTAT
 GCACCAGATGAAATCACAGATGAAGTGCAGGTCTACCACAGCAACAGGTCTGAATGGGAAGAAGTTTAC
 CAATGCCTAGAGCCTTAACAGAATTTACTGCCAGGTGATTGATTTAATAAATACAGAGACCCATGGTT
 TTCTAATCTATGTGCT

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217622 protein sequence
 Red=Cloning site Green=Tags(s)

MELAMDNSYAFNQSTCNGIPSEKKNFLVSEDHGQKILSVLQNFREQNVFYDFKIIMKDEIIPCHRCVL
 AACSDFFRAMFEVNMKERDDGSVTITNLSSKAVKAFLDYAYTGKTKITDDNVEMFFQLSSFLQVSFLSKA
 CSDFLIKSINLVNCLQLLSISDSYGSTSLFDHALHFVQHFSLLFKSSDFLEMNFGVLQKCLESEDELNVP
 EEEMVLKVVLSWTKHNLESRQKYLPHLIEKVRLHQLSEETLQDCLFNEESLLKSTNCFDIIMDAIKCVQG
 SGGLFPDARPSTTEKYIFIHKTEENGENQYTFYCNIKSDSWKILPQSHLIDLPSSSLSSYGEKIFLTGGC
 KGKCCRTVRLHIAESYHDATDQTCYCPVKNDFLVSTMTKTPRMTSMALDRLFVIGGKTRGSRDIKS
 LLDVESYNPLSKEWISVSPLPRGIYYPEASTCQNVIIYVLGSEVEITDAFNPSLDCFFKYNATTDQWSELV
 AEFQGFHATLIKAVPVNCTLYICDLSTYKVYSFCPDTCVWKGECSFECAGFNAGAIGIEDKIYILGGDY
 APDEITDEVQVYHSNRSEWEEVSPMPRALTEFYCQVIQFNKYRDPWF SNLCA

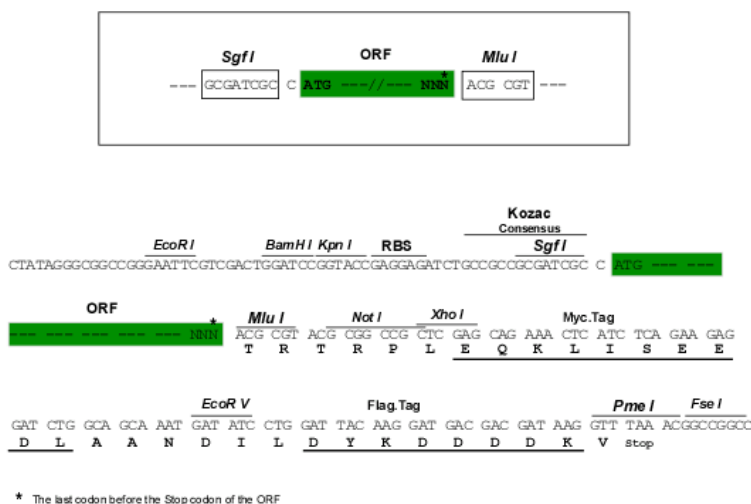
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6464_a01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_152433

ORF Size: 1836 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.

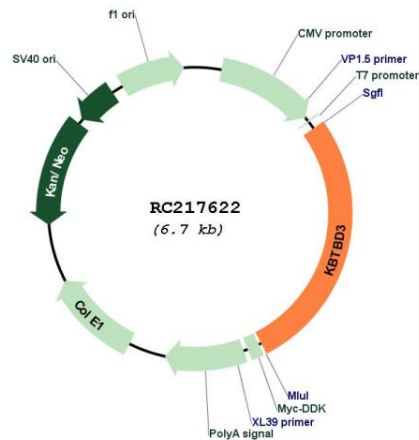
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: NM_152433.3

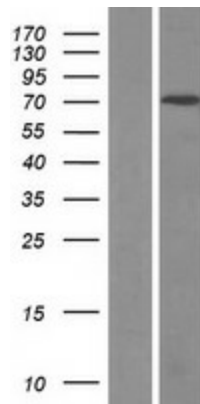
RefSeq Size: 4030 bp

RefSeq ORF:	1839 bp
Locus ID:	143879
UniProt ID:	Q8NAB2
Cytogenetics:	11q22.3
Domains:	BTB, Kelch
MW:	69.8 kDa

Product images:



Circular map for RC217622



Western blot validation of overexpression lysate (Cat# [LY407534]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217622 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).