

Product datasheet for **RR217110**

Kbtbd7 (NM_001302944) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kbtbd7 (NM_001302944) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kbtbd7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217110 representing NM_001302944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGTCCCGGGAAGACGCCCCGCGCTCTCGCCGCTCGCCAGTCCCCGCGCGGGAGCGGCCAAGA
 GGATTTCCAAGCCTCTGTGTCGGCCTTTTTCACCGGCCAGAGGAATTAAGGACACGGCCATTCTGC
 AGCCCTCTGGCACAGCTCAAGTCTTTCTACGACGCGCGTCTGCTGTGGATGTGACCATCGAGGTGGT
 ACGCCTGGCAGTGGGCCCGCACGGGGCGCTCTTCTCGTGAACCGCAACGTGTGGCGCGGCTTGC
 CCTACTTCAAGAGCATGTTACAGGGGGCATGTACGAGAGCCAGCAGGCCAGCGTGACCATCCACGACGT
 GGATGCCGAGTCTTCGAGGTCTTGGTGGACTACTGCTACACTGGCCGCGTGTGCTGAGCGAGGCCAAT
 GTGCAGCGCTGTACGCGGCTCGGATATGCTCCAGTGGAGTACGTGCGTGAAGCTGTGCTTCTTCC
 TGGCTCGCGACTTGACCTGACCAACTGCACTGCCATCCTCAAGTTTGCCGATGCCTTTGACCACCACAA
 GCTGCGCTCTCAGGCCAGTCTTCATAGCTCACAACCTCAAGCAGCTCAGCAGGATGGGTTCCATTCCG
 GAGGAGACGCTGGCCGATCTGACCTGGCCAGCTGTGGCCGTCTGCTGCTGACAGTCTGGATGTAG
 AGAGTGAGAAGACTGTGTGTACGTGGCGGTGCAGTGGCTGGAGGCTGCTCCCAAAGAGCGGGCCCTAG
 CGCTGCTGAAGTCTTAAAGTGTATTGTTGGGCACACTTCCCTGCAGAAGATCAGGACTACCTGGGAGGG
 TTAAGTACCAAGCCTATTGTGAAGAAATACTGCCTGGACGTTATTGAAGGGGCCCTTCTGACGCTGCGAT
 TTGGTGATAGGTTGTACAAGTCAAGTGGTGTCCAAGCCAAACAGCAGCCACAGCAGCAGTAGCAACAATAG
 CAGTAACAGCAGCAGCACCAGTAGCTCTGTTGTGTCTGTAGCGGAAAATCCACCCAAAGATTGGGTATG
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 GAGATATCTACAAATGCCGTCTCCTTTGACAGCTTGGCACACTAAGACCATTACATCTTCAGCTGT
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 GCCAAAATAGTTGGCATCAGCTGGCAGACCGCTTGTGTGTGCGAGGGCATGGATGTGGCATATCTGA
 ACGGCTACATTTACATCTTGGGTGGCGAGACCCAGTTACTGGAGTTAAACTAAAGGAAGTGAATGCTA
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 GTGGTTCAGAATTACCTTACGCTGTCAACAGTAAGCGCATGCTCTGCTATGATCCTAGCCATAACATGT
 GGCTGAATTGTGCATCTTAAACGAAGTACTTTCAAGAAGCCTGTGTCTTCAAAGACGAAATCTATTG
 TATTTGTGACATCCAGTCATGAAGTCTACAACCCGGCTAGAGGAGAGTGGAGGCGGATCAGTAATATT
 CCACTGGACTCAGAAACCCAACTACCAGATCGTCAATCATGACCAAAGTTGCTGCTCATCACTTCTA
 CCACCCACAGTGGAAAAGAACCGAGTGACAGTATATGAATACGACACTAGGGAAGACCAATGGATTAA
 TATAGGTACCATGTTAGGCCTTTTGCAGTTTACTCTGGCTTTATTTGCCTGTGTGCTCGAGTTTATCCT
 TCCTGTCTTGAACCTGGTCAGAGTTTCACTGAGGAAGATGATGCAAGAAGTGAAGTCTAGCACTGAAT
 GGGACTTATAGTGGATTCAAGTGAAGTGGACTCTGAGTCAAGGAGTTCAAGTTCTTTTTCTGATGATGAAGT
 CTGGGTACAGGTTGCACCTCAGCGAAATGCACCAGATCAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217110 representing NM_001302944
Red=Cloning site Green=Tags(s)

MQSREDAPRSRRLASPRGGRRPKRISKPSVSAFFTGPPEELKDTAHSALLAQLKSFYDARLLCDVTIEV
 TPGSGPGTGRFLSCNRNVLAAACPYFKSMFTGGMYESQQASVTIHDVDAESFEVLVDYCYTGRVSLSEAN
 VQRLYAASDMLQLEYVREACASFLARRLDLTNCTAILKFADAFDHHKLRSQLQSFIAHNFKQLSRMGSIR
 EETLADLTLAQLLAVLRDLSLDVESEKTVCHVAVQWLEAAPKERGPSAAEVFKIRWAHFPAEDQDYLLGG
 LLTKPIVKKYCLDVEGALLQLRFGDRLYKSVSKPNSSSSSSNNSSNSSTSSSVVVAENPPQRLGM
 CAKEMVIFFGHPRDPFLCYDPYSGDIYTMPSPSLTSLAHTKITSSAVCVSPDHDIYLAAQPRKDLWVYKP
 AQNSWHQLADRLLCREGMDVAYLNGYIYILGGRDPVTGVKLKEVECYSVQRNQWALVAPVPHSFYSFELI
 VVQNYLYAVNSKRMICYDP SHMMLNCASLKRSDFEACVFKDEIYCICDIPVMKVYNPARGEWRRISNI
 PLDSETHNYQIVNHDQKLLITSTTPQWKKNRVTVVEYDTREDQWINIGTMLGLLQFDSGFI CLCARVYP
 SCLEPGQSFITEEDDARSESTEWDLDFSELDSESGSSSSFSDDEVVWQVAPQRNAPDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001302944

ORF Size: 2070 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.

RefSeq: [NM_001302944.1](#), [NP_001289873.1](#)

RefSeq Size: 4580 bp

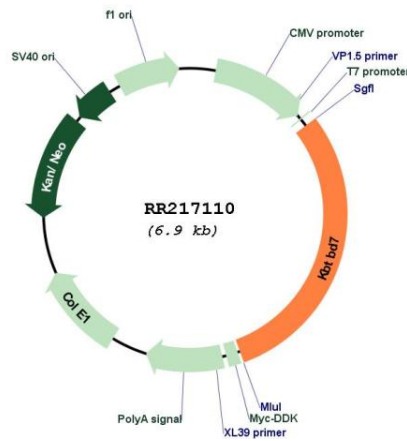
RefSeq ORF: 2073 bp

Locus ID: 100909827

Cytogenetics: 15q12

MW: 77.5 kDa

Product images:



Circular map for RR217110