

Product datasheet for **MR208300**

Kbtbd4 (NM_025991) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kbtbd4 (NM_025991) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kbtbd4
Synonyms:	2510026C23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208300 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGGAGGTATCGCAGATAGTTGGCAAAGAGAGAAGTTGGCTACCATGGAGTACCAGAGGAGCCTG
 GAGCATCCATGGATGAAAACACTTTGTGAACTATACTTTCAAAGACCGGTCTCACTCAGGCCGAGTGGC
 TCAGGGCATCATGAAACTGTGTTTAGAGGAGGAGCTCTTTGCTGATGTCACCATTTCACTGGAAGGCCGA
 GAGTTTCACTGCACCGGCTGGTCTGTGAGCTCAGAGCTGCTTCTCCGATCCATGTTACATCCAACC
 TGAAGGAGGCTCACAAACCGGTGATTGTGCTGCAGGATGTGAGGAGTCTGTTTTCCAGCTCCTAGTTGA
 CTATATAACCATGGGACTGTGAACTTCGAGCTGATGAGCTGCAGGAAATTTACGAGGTGTGACATG
 TATCAGCTGACATCTCTTTGAGGAGTGTCTCGTTTCTGGCACGCACGGTACAGGTGGGCAACTGCC
 TGCAGGTGATGTGGCTTGCAGATAGACACAGTACCCCGAGCTTACACTGCTGCCAAGCACTGTGCCAA
 GACCCACCTGGCCAGCTGCAGAGCACAGAGGAGTTCCCTCCACTTGCCCCACCATCTACTACTGATATC
 ATCTCAGATGGGGTTCCATGTTCCAGAACCAACAGAGGCAATAGAAGCTTGGATCAATTTCAATAAAG
 AGGAAAGAGAGGCTTTTGCCGAGTCACTAAGGACTAGCTTGAAGGAAATTTGGGGAGAATGTGCATTTA
 CCTGATCGGAAAAGATCATCCCGCACGCACTATTGGCTGTGTCCTTGCAGTGTGCAGAAGATGACTCC
 ATCAGTGTAAAGTGGCCAAAACAGCTTATGCCACCAATCACTGCAGCCTGCAAGCATGGTGGCGACTGT
 ATGTGGTAGGAGGGTCCATCCCACGACGCATGTGGAAATGTAACAATGCCACTGTTGACTGGGAGTGGTG
 TGCTCCTTTGCCCGGACCGCTCCAGCACACCTAGTATCTGTGCCTGGGAAAGATGCCATATATTCC
 CTGGGCGCAAGACACTACAGGATACCTCTCGAATGCAGTTATCTACTATCGGGTAGGTGATAACGTGT
 GGACAGACAACTCAGTTAGAGGTGGCTGTGTCTGGGGCTGCTGGTGCCAACTGAATGGAATCATCTA
 CTTACTGGGGGTGAGGAGAATGATCTAGACTTCTTTACCAAACCTTCCCGACTGATCCAGTGCTTTGAC
 ACAGAACTGACAAGTGCACGTAAGCCCTACGTAAGTGCCTTTGCAGGCCGATGCACGCAGCAGTGC
 ATAAGGATCTGGTGTATTTGTGGCTGAGGGGACTCTCTAGTGTGCTATAATCCCCTTCTAGACAGCTT
 CACCCGGCTCTGTCTTCTGAGGCTGGAGCTCTGCCCATCCCTCTGGAAGATTGCCAGCTGTAATGGC
 AGCATCTACGTCTTCAAGGATCGATATAAGAAGGGTGTGCCAACACCTATAAGCTTGACCCTGCCACTT
 CAGCTGTAAGTGCACAAGAGGCATTAAGGTGCTGTTACCAACTGCAGTTTGTGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208300 protein sequence
 Red=Cloning site Green=Tags(s)

MKGGIADSWQREKLATMESPEEPGASMDENYFVNYTFKDRSHSGRVAQGIKMLCLEEELFADVTISVEGR
 EFQLHRLVLSAQSCFFRSMFTSNLKEAHRVIVLQDVSESVFQLLVLDYIYHGTVKLRADELQEIYEVSDM
 YQLTSLFEECSRFLARTVQVGNCLQVMWLADRHSDPELYTAAKHCAKTHLAQLQSTEEFLHLPHLLTDI
 ISDGVPCSQNPTEAIEAWINFNKEEREAFESLRTSLKEIGENVHIYLIKESRTHSLAVSLHCAEDDS
 ISVSGQNSLCHQITAACKHGGDLVYVGGSIIPRMWKCNNATVDWEWCAPLPRDRLQHTLVSVPGKDAIYS
 LGGKTLQDTLSNAVIYYRVGDNVWTETTQLEVAVSGAAGANLNGIYLLGGEENDLDFFTKPSRLIQCFD
 TETDKCHVKPYVLPFAGRMHAAVHKDLVFIVAEGDSLVCYNPLLDSEFTRLCLEAWSSAPSLWKIASCNG
 SIYVFRDRYKKGDANTYKLDPATSAVTVTRGIKVLTLNLQFVLA

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_025991

ORF Size: 1605 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_025991.1](#), [NM_025991.2](#), [NM_025991.3](#), [NP_080267.1](#)

RefSeq Size: 2393 bp

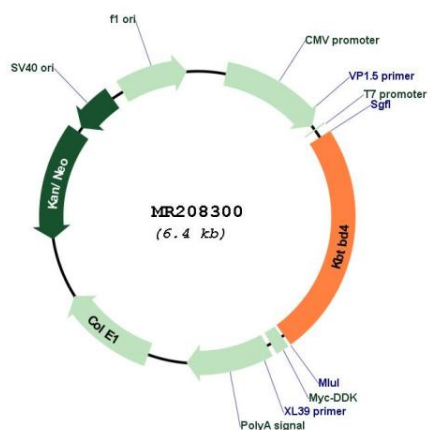
RefSeq ORF: 1557 bp

Locus ID: 67136

UniProt ID: [Q8R179](#)

Cytogenetics: 2 E1
 MW: 59.9 kDa

Product images:



Circular map for MR208300