

Product datasheet for **MG208300**

Kbtbd4 (NM_025991) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Kbtbd4 (NM_025991) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Kbtbd4 |
| Synonyms: | 2510026C23Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG208300 representing NM_025991
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGGAGGTATCGCAGATAGTTGGCAAAGAGAGAAGTTGGCTACCATGGAGTACCAGAGGAGCCTG
 GAGCATCCATGGATGAAAACACTTTGTGAACTATACTTTCAAAGACCGGTCTCACTCAGGCCGAGTGGC
 TCAGGGCATCATGAAACTGTGTTTAGAGGAGGAGCTCTTTGCTGATGTCACCATTTCACTGGAAGGCCGA
 GAGTTTCACTGCACCGGCTGGTCTGTGAGCTCAGAGCTGCTTCTCCGATCCATGTTACATCCAACC
 TGAAGGAGGCTCACAAACCGGTGATTGTGCTGCAGGATGTGAGGAGTCTGTTTTCCAGCTCCTAGTTGA
 CTATATAACCATGGGACTGTGAAACTTCGAGCTGATGAGCTGCAGGAAATTTACGAGGTGTGACATG
 TATCAGCTGACATCTCTTTGAGGAGTGTCTCGTTTCTGGCACGCACGGTACAGGTGGGCAACTGCC
 TGCAGGTGATGTGGCTTGCAGATAGACACAGTACCCCGAGCTTACACTGCTGCCAAGCACTGTGCCAA
 GACCCACCTGGCCAGCTGCAGAGCACAGAGGAGTTCCCTCCACTGCCCCACCATCTACTACTGATATC
 ATCTCAGATGGGGTTCCATGTTCCAGAACCCAACAGAGGCAATAGAAGCTTGGATCAATTTCAATAAAG
 AGGAAAGAGAGGCTTTTGCCGAGTCACTAAGGACTAGCTTGAAGGAAATTTGGGGAGAATGTGCACATTTA
 CCTGATCGGAAAAGATCATCCCGCACGCACTCATTGGCTGTGTCCTTGCAGTGTGCAGAAGATGACTCC
 ATCAGTGTAAAGTGGCCAAAACAGCTTATGCCACCAATCACTGCAGCCTGCAAGCATGGTGGCGACTGT
 ATGTGGTAGGAGGGTCCATCCCACGACGCATGTGGAAATGTAACAATGCCACTGTTGACTGGGAGTGGTG
 TGCTCCTTTGCCCGGACCGCTCCAGCACACCTAGTATCTGTGCCTGGGAAAGATGCCATATATTCC
 CTGGGCGCAAGACACTACAGGATACCTCTCGAATGCAGTTATCTACTATCGGGTAGGTGATAACGTGT
 GGACAGACAACTCAGTTAGAGGTGGCTGTGCTGGGGCTGCTGGTGGCAACCTGAATGGAATCATCTA
 CTTACTGGGGGTGAGGAGAATGATCTAGACTTCTTTACCAACCTTCCCGACTGATCCAGTCTTTGAC
 ACAGAACTGACAAGTGCACGTAAGCCCTACGTAAGTGCCTTTGCAGGCCGATGCACGCAGCAGTGC
 ATAAGGATCTGGTGTATTTGTGGCTGAGGGGACTCTCTAGTGTGCTATAATCCCCTTCTAGACAGCTT
 CACCCGGCTCTGTCTTCTGAGGCTGGAGCTCTGCCCATCCCTCTGGAAGATTGCCAGCTGTAATGGC
 AGCATCTACGTCTTCAAGGATCGATATAAGAAGGGTGTGCCAACACCTATAAGCTTGACCTGCCACTT
 CAGCTGTAAGTGCACAAGAGGCATTAAGGTGCTGTTACCAACTGCAGTTTGTGTTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208300 representing NM_025991
 Red=Cloning site Green=Tags(s)

MKGGIADSWQREKLATMESPEEPGASMDENYFVNYTFKDRSHSGRVAQGIIMKLCLEELFADVTISVEGR
 EFQLHRLVLSAQSCFFRSMFTSNLKEAHRVIVLQDVSESVFQLLDYIYHGTVKLRADELQEIYEVSDM
 YQLTSLFEECSRFLARTVQVGNCLQVMWLANDRHSPELYTAAKHCAKTHLAQLQSTEEFLHLPHELLTDI
 ISDGVPCSQNPTEAIEAWINFNKEERFAESLRTSLKEIGENVHIYLIKESRTHSLAVSLHCAEDDS
 ISVSGQNSLCHQITAACKHGGDLYVVGGSIPRRMWCNNATVDWEWCAPLPRDRLQHTLVSPGKDAIYS
 LGGKTLQDTLSNAVIYYRVGDNVWTEETQLEAVAVSAGANLNGIYLLGGEENDLDFFTKPSRLIQCFD
 TETDKCHVKPYVLPFAGRMHAHVHKLDFIVAEGDSLVCYNPLLDSTRLCLPEAWSSAPSLWKIASCNG
 SIYVFRDRYKKGDANTYKLDPATSAVTVTRGIKVLTLNLQFVLA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

| | |
|-------------------------------|---|
| ACCN: | NM_025991 |
| ORF Size: | 1554 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: | <ol style="list-style-type: none"> 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 , NP_080267.1 |
| RefSeq Size: | 2395 bp |
| RefSeq ORF: | 1557 bp |
| Locus ID: | 67136 |
| UniProt ID: | Q8R179 |
| Cytogenetics: | 2 E1 |