

## Product datasheet for **MR230722**

### **Kbtbd12 (NM\_001278671) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kbtbd12 (NM_001278671) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kbtbd12
Synonyms:	4833415F11Rik; 4933428M03Rik; Klhdc6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230722 representing NM\_001278671  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTCAAGACTAAGGGAAACACCAGCATAGCTTGAACCTACTAGATAAAAATTAAGAATATGAAAG  
 AGTTAGAAGAAATGATTGATGTAGTGCTCATAGCAGAAGAGGAGAAATCCCTTGCCACAGACTGGTGCT  
 CGCTGCCTTTAGTCCTTATTTCAAGGCTATGTTACCTGTGGACTACTCGAGTGCAGTGCAGAGAGAGGTC  
 AACTCTATGACATCACAGCAGAAAGTGTGTGAGTATTAACACTACATGTACAGTGTCTCTGGAGA  
 TCAATAACGCCAACGTTACAGCCGTAGCCATGGCTGCCTATTTTATGCAGATGGAAGAAGCTTTAGTGT  
 GTGCCAAAATATATGATGGACCACATGGATGCCTCCAACCTGCATAGGAATTTATTACTTTGCAAAAACA  
 ATCGGAGCAGAAGATTTATCGGATCAGTCGAAGAAGTATTTATACCAGCACTTCGCCGAGGTAAGCCTTC  
 ATGGAGAAATACTTGACATCGAAGCTCACCAGCTTCTGGCACTTATTAAGTCTGATGATCTGAATATATC  
 CAGAGAAGAGAGCATTCTGGATTTGGTTCTGAGATGGGTAAACCATAACCAAGCTTTGCGCAGAGAGCAT  
 CTGCTTGAAGCAAGTCAAGTGAACCTTATAAACGCTTCCTTTCTAAGACAGGCCCTCAGAA  
 GGAACACGATGCTCCTTTGTGATGGCAGTTGCATTGATATAATCCAGAATGCGTTCAAAGCCATCAAGAC  
 ACCCCAGCAGACCCCTCCAACCTTCGCTATGGCATGGAGACCACCAGCCTTCTGCTTTCATTGGGAAC  
 AATTCTTCTGGAATCAGATCAAGGCACAGGAGCTATGGGGATGCCAGTTTTTGTATGACCTGTGTAC  
 ACAAGACCTATTTTATCTCATCACCAAGTATGGGGAGGGTTGGGAACGTGTGCACTGGGGTAGTCAT  
 GGAAAACAATACTGTAATTTGGCTGGAGAAGCAACTGCCACTAGGCTCTCTAGGCAAAAGCAAGAAT  
 ATTGAAATCTATAGGTATCATGATAGAGGAAACCAGTTTTGGGAAAAGTTATGCACAGCTGAATTTGAG  
 AGCTCTATGCTCTGGGCAGCATCCATAATGACCTCTATGTCATAGGAGGACAGATGAAAATTAACCA  
 GTACCTCATAACAACTGTGTTGATAAGTACTCAGTAGATCAAGACAACGGAAACGAGTATCTCCCTT  
 CCACTGCAGCTGGCTTGTGATGCTGTGGTAAACAGTGAACAATAAACTGTATGTCATCGGAGGCTGGACCC  
 CTCAGATGGATCTTCTGACGAAGAGCCTGATCGATTAAGCAACAACTGTTGCAGTATGACCCAGCCA  
 AGATCAATGGAGAGAGCGGGCACCCATGCGGTACTCTAAGTACCGATTCAAGTGCAGCCGTCGCAACAGT  
 GAGATCTATGTTCTGGGTGGAATGGCTGTGTGGGCCGAGACAAGGGACAAGTTCGGAATGCCTTGATG  
 TGGTGGAGATCTACAACCCGATGGGGACTTCTGGAGGGAAGGCCCGCTATGCCGAGTCCCTCCTCTC  
 ACTGCGAACCAATCCACCAGTGTGGCCGCTGGACGGGAAGCTCTATGTCTGCGGTGGATTTTCATGGA  
 GCAGATCGACATGAGTTATCTCAAAGAGATTCTGGAGCTGGACCTTGGGAGAACCAGTGAACGTTG  
 TGCCCATCAATGCCTCATGCACGACAGCTATGACGTCTGTCTGGTAGCTAGGATGAACCCCGAGACCT  
 CATCCACCACCTCTGATCTGATCGAGGAAGATGGTGACCACAGAGGGCAAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>MR230722 representing NM\_001278671  
 Red=Cloning site Green=Tags(s)

MECKTKGKHQHSNLNLDKIKNMKELEEMIDVVLIAEEEKFPCHRLVLAASFYFKAMFTCGLLECTQRE  
 ILYDITAESVSVILNYMSAVLEINNANVQTVAMAAYFMQMEEVFSVCQNYMMDHMDASNCIGIYYFAKQ  
 IGAEDLSDQSKKYLQHF AEVSLHGEILDIEAHQLLALIKSDDLNISREESILDLVLRWVNHQALRTEH  
 LVELLKQVRELEINASFRLRQALRRNTMLLCDGSCIDI IQNAFKAIKTPQQHPSNLRGMETTSLLLCIGN  
 NSSGIRSRHRSYGDAFCYDPVSHKTYFISSPKYGEGLTVCTGVVMENNTVIVAGEATATRLSRQKSKN  
 IEIYRYHDRGNQFWEKLCTAEFRELIALGSIHNDLYVIGGQMKIKNOYLITNCVDKYSVDQDNWKRVSPL  
 PLQLACHAVVTVNNKLYVIGGWTPQMDLPDEEPDRLSNKLLQYDPSQDQWRERAPMRYSKYRFSAVVNS  
 EIYVLLGGIGCVGRDKGQVRKCLDVVEIYNPDGDFWREGPPMPSPLL SLRTNSTSAGAVDGKLYVCGGFHG  
 ADRHEVISKEIILELDPWENQWNVVAINVLMHDSYDVCLVARMNPRDLIPPPSDLIEEDGDHRGQR

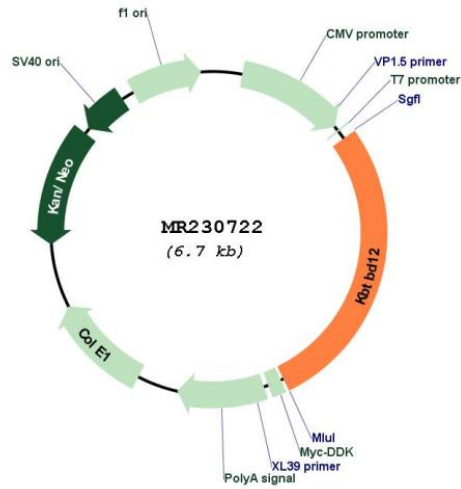
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001278671

ORF Size: 1875 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001278671.2</a>
<b>RefSeq Size:</b>	2042 bp
<b>RefSeq ORF:</b>	1878 bp
<b>Locus ID:</b>	74589
<b>UniProt ID:</b>	<a href="#">Q9D618</a>
<b>Cytogenetics:</b>	6 D1
<b>MW:</b>	71.6 kDa