

Product datasheet for **MR221273**

Itpkb (NM_001081175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpkb (NM_001081175) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itpkb
Synonyms:	1110033J02Rik; E130307H12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221273 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGTGACTGCTATGCCCTCAATAGCCTGGTGATCATGAACAGCACCAACGAGCTCAAGAGTGGCG
 GCCCCCGGCCAGCGGCAGCGAGACGCCCCAGCCCTCCGGGAGGGCCGCGCTGAGTCCCGCAGCGCTT
 CAGCCCTGGGAGAGGCGCTTCTTTCTCTTCCCCCAGCAGAGTCGCTGTCCCTGGAGGAGCCCGGAGT
 CCTGGGGGCTGGCGCAGCGGCCGGCGCAGGCTGAATAGTAGCAGCGGTAGCGGAGGTGGCAGCAGCAGCA
 GCAACAGCAGCAGCAGCAGTGGCGTGGCAGTCCAGTTGGGCTGGCCGCTGCGAGGGGACGCGCAGCA
 GGTGGTGGCGGCCGCATCCTCTCCCCACCTGGGCCAGAGGAGGCCAGAGGAAGCTGCGGATTCTGCAG
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 GGAGAACAATGTACAGAAACCCAGATACCAACTCTGGAAGGAGAAGCAGACTCAGCACACACCCCTCGA
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 GACAAGAGGGTTGCTCCCTCACTGGAGCGCTTGGAACTAGCTTAACTGGCTACTAAAGTGGCAGCTT
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 CTCAGAGGACCCAGATGGTCTAGACTGCCTGTAGACTGGATTCCGTAGGACCTGAGAAGGGAGGAAAT
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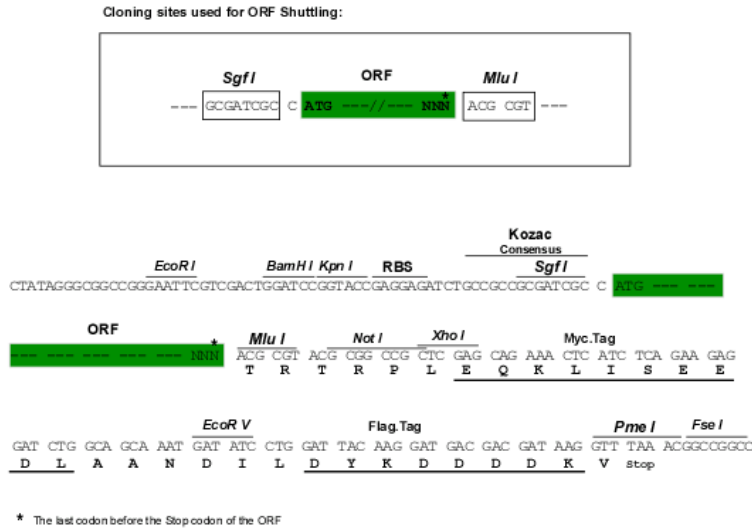
Protein Sequence: >MR221273 protein sequence
 Red=Cloning site Green=Tags(s)

MAVYCYALNSLIVMNSTNELKSGGPRPSGSETPQPSPGRAALSPGSVFSVSPGRGASFLFPPAESLSLEEPGS
 PGGWRSRRLNSSSGSGGGSSSSNSSSSSGVGSVSWAGRLRGDAQVVAARILSPPGPEEAQRKLRILQ
 RELQNVQVQKVMFEAQIQAQSSAIQAPRSPRLGRARSPSPCFRSSSQPPERVLAPCSPSEERRTKSW
 GEQCTETPDTNSGRRSRLSTHPSKDKEGVAPLLGPASPTRLGTQSPSTSVRMERGTSPASPRCGSPTMET
 DKRVAPSLERFGTSLTLATKVAASAASAGPHPGHDSALMETGCELGGMRPWEAQMERRGQFLGKETGSTP
 EPVRTHMREPPGRVGRGIHVSVGGQGSWTPEVIKRPEERAVTAQSSEPSDPRWSRLPVDLDSVGPKEKGN
 RIPGMRGPQQTLDSEREGSPALGLLGGSQAAQPGARGVEEDVHYGRMLEPLPPGEVTTKLKEPQCLPGDR
 MGMQPESSIVWPSALEEAPLIWTRDTGVQSKGTWGSQLPDGAHPSCQEMPPDQKDKASLKEACSPSNIP
 AIPAVIITDMGAQEDGGLLEEQGSPRGLPLRKLSSSSASSTGFSSSYDDSEEDISSDPERTLDPNSAFL
 HTLDQQKPRVSKSWRKIKNMVQWSPFVMSFKKKYPWIQLAGHAGSFKAAANGRILKKHCSEQRCLDRLM
 ADVLRPFVPAHYGDVVKGERYNQMDLLADFDSPCVMDCKMGVRTYLEEELTKARKKPSLRKDMYQKVM
 EVDPEAPTEEEKAQRAVTKPRYMQWRETISSATLGFRIEIGIKKEDGSVNRDFKKTKTREQVTEAFREFT
 KGNQNILIA YRDRLKAI R ATLEISPFKCHEVIGSSLLFIHDKKEQAKVWIMIDFGKTTPLPEGQTLQHDV
 PWQEGNREDGYLSGLDNLIDILTEMSQGSPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081175

ORF Size: 2829 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_001081175.1](#), [NP_001074644.1](#)

RefSeq Size: 5101 bp

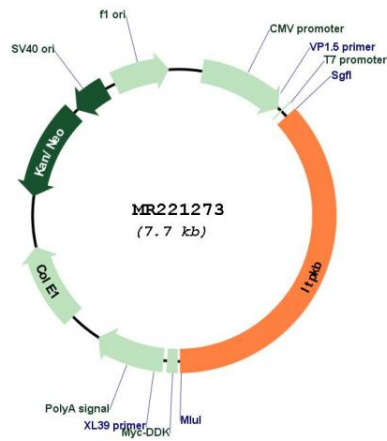
RefSeq ORF: 2829 bp

Locus ID: 320404

Cytogenetics: 1 84.27 cM

MW: 102.7 kDa

Product images:



Circular map for MR221273