

Product datasheet for **MR230638**

Ankib1 (NM_001289529) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankib1 (NM_001289529) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankib1
Synonyms:	2310061P20Rik; 4631416I11Rik; AW494740; C80642; mKIAA1386
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230638 representing NM_001289529
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCCAGAAGAACTCGTTGGAGTCAGCGAAGCCTATGAAGATGCTGCCAATTGTCTGTGGCTGTAA
 CTAACCTCAAGCCTTGTGCGAACTGTAAGTCTCCAATACAGAAGAACGAAGGCTGTAAATCACATGCAGTG
 TGCCAAGTGCAAGTATGACTTTTGTGGATTTGCCTAGAAGAATGGAAAAACATAGTTCTTCCACTGGA
 GGTTACTACAGATGCACTCGCTATGAAGTCATCCAACATGTGGAGGAGCAATCCAAGGAGATGACAGTGG
 AGGCTGAGAAGAAACATAAACGGTTTCAGGAACCTGACAGATTTATGCACTATTATACAAGATATAAAAA
 CCATGAGCATAGTTATCAGTTAGAACAACGCCTTCTTAAACAGCCAAAGAAAAGATGGAGCAGTTGAGT
 AGAGCTCTCAAAGAACTGAAGGAGGCTGTCCAGATACCACTTTCATCGAAGATGCAGTGCATGTTCTTC
 TAAAACTCGGCGCATCCTCAAGTGTCTTATCCATATGGATTTTCTTAGAACCTAAAAGCACAAAGAA
 AGAAATTTTGAACATAATGCAAACAGACCTGGAATGGTCACTGAAGACCTTGCCAGAAAGTCAATAGG
 CCTTATCTTCGTACACCTCGGCACAAGATCATCAGGGCAGCATGCCTTGTGCAGCAGAAAAGGCAAGAGT
 TCCTGGCATCTGTCGCTCGTGGTGTGCTCCTGCAGACTCACCAGATGCTCCCAGGCGCAGCTTTGCCGG
 TGGACATGGGATTGGGAATATTTAGGATTTGCTTACCTGAGGAATATGCTGAATTTAGTATCGGAGG
 AGACACAGACAGCAGCGCCGTCGAGGAGATGTGCATAGCTGCTCAGTAACCCTACAGACCTGGATGAAC
 CAAGCGAAAGCACTTTCGATCTCCAGAGGGGAGCAGCGGCCGCAAGGCTGGTGCATCTGTGGTCAGCTC
 TGCATCGATGAGTGTGCTGCACAGCTCTCCCTGCGAGACTACAGCCCTGCCAGTCGCTCTGCAACCAG
 GACTCTCTCAGGCTCTGAGTTCCTTGGATGAAGATGATCCCAACATACTCCTGGCCATCCAGTTGTGAC
 TGCAAGAGTCTGGGCTGGACATGGATGAAGAGACCAGAGACTTCCTTAGTAACGAGACACTCCCTAGGAGC
 CATAGGCTCATCTTTACCTTCCGACTGGACTCTGTGCCCGCAGCACTGAGTCTCCTCGGGCTGCGCTG
 AGCAGCTCGGAGCTGCTGGAGCTTGGTGCAGTCTCATGAGACTAGGAGCAGACAGTGACCCATTTTCAA
 CTGACACTTTGAGTTCACGCCCTCCTCAGTGAGACAAGAAGTATTTCTGTCCCTCTTCCAGTGACCTTGA
 CTCAGCTGGCCAGGACCCAGTGCCAAATGACAATCTTCTTGGCAATATTATGGCTTGGTTTCATGACATG
 AACCCGCAGAGTATCGCCCTGATTCCTCCAGCAGCAACCACAGAAATTAGTGCTGAGCCTCAGCTTCCTT
 GTATAAGAGATGGGTCTGAAGGTGTGAGGGACATGGAACCTGTCGCCACCAGAAGACTCAGTGTCAAAGA
 TACTGGTGTTCATGAAGGTGAAAGAGCCCAGATGGAAGAAAATCCTCTGGAAGAGAAATATCTGCCCAGG
 GAAGAGTTGTCTCAAGCTGGTGCAGTAGTAACAGGCGAGTGGCAGGGGGGACAGGCCAGATGCTGCCA
 GTCAAACCCCTCAGACCTCAAGCGACTGGCTCGAGCAAGTACATTCAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230638 representing NM_001289529
 Red=Cloning site Green=Tags(s)

MKPEELVGVSEAYEDAANCLWLLTNSKPCANCKSPIQKNEGCNMQCAKCKYDFCWIACLEEWKHKHSSTG
 GYRCTRVEYIQHVVEEQSKEMTVEAEKHKRFQELDRFMHYTRYKNHEHSYQLEQRLLKTAKEKMEQLS
 RALKETEGGCPDPTTFIEDAVHVLKTRRILKCSYPYGFLEPKSTKKEIFELMQTDLEMVTEDLAQVNR
 PYLRTPRHKIIRAACL VQQRQEF LASFVARGVAPADSPDAPRRSFAGGTWDWEYLG FASPEEYAEFYRR
 RHRQRRRGDVHSLLSNPDLDEPSESTFDLPEGSSRRPGASVSSASMSVLHSSSLRDYSPASRSANQ
 DSLQALSSLEDDPNILLAIQLSLQESGLDMDEETRDFLSNETSLGAIGSSLPSRLDSVPRSTESPRAL
 SSELLELGDLMRLGADSDPFSTDTLSSRPLSETRSDFCPSSSDLDSAGQDPSANDNLLGNIMAWFHDM
 NPQSIALIPPAATTEISAEPQLPCIRDGSEGVDMELVPPEDSVSKDTGVHEGERAQMEENPLEENILAR
 EELSQAGDSSNEAVGRGDRPDAASQTPQTSSDWLEQVHSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

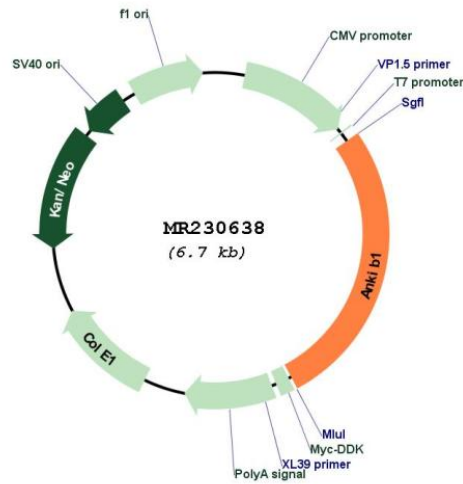
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001289529

ORF Size: 1800 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_001289529.1 , NP_001276458.1
RefSeq Size:	6253 bp
RefSeq ORF:	1803 bp
Locus ID:	70797
UniProt ID:	Q6ZPS6
Cytogenetics:	5 A1
MW:	67.7 kDa
Gene Summary:	Might act as an E3 ubiquitin-protein ligase, or as part of E3 complex, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates. [UniProtKB/Swiss-Prot Function]