

Product datasheet for MR217820

Ankrd40 (NM_146024) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankrd40 (NM_146024) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ankrd40
Synonyms: 1110011C06Rik; 5530600A18Rik; Gcap15
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR217820 representing NM_146024
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCGCCCTCCTAGAGCAGAAGGAGCAGCAGGAGAGGCTGCGGGAGGCGCGGCCTTGGGGGACATTC
 GGGAGGTGCAGAACTGGTGGAGAGCGGGTGGATGTGAACTCGCAAAATGAGGTCAACGGCTGGACCTG
 TTTACACTGGGCATGTAAACGCAACCATGGACAGGTGGTGTCTACCTGCTACAATCAGGAGCTGACAGA
 GAGATTCTTACAACAAAAGGGGAAATGCCGGTACAATAACATCAAGGAGAGAAATCAGGAAGATTATGG
 GAGTGGAGAAGCCGATGAGGAGGAGGATCCCTCAGCTGAAGAAGGAGTCAGAAGTGCCTTTGTCCC
 CAACTATCTGGCCAACCCAGCTTTCCCTTTTATCTACACCCCTGCAGCAGAAGACTCCACCCAATTGCAG
 AATGGGGGCCCTCCCCACCTCCAGTGTACCTCCTGCAGATAGCTCACCTCCATTGCTCCCCCCACAG
 AAACCCCTTTGCTAGGGGCTTTCTAGGGACCACAGCTCTTTGGCATTGGTCCAGAATGGTGATATTTCT
 TGCCCCCTCTGCCATACTTAGAACACCAGAAAGCACAAAACCTGGTCTGTCTGCAGCCACCAGTGAGT
 CAGAACCCTCCCTGTTCTGTGCCATCCAAGCCCCGGTGTCTCTGGAGCCTCAGAACGGGACGTATG
 CAGGCCCGGCCAGCATTCCAGCCATTTTCTCACCGGAGCATTTCATTTAATGCAAGAGCTGGT
 ACTCAAAGTGAGGATTCAGAATCCATCTCTTCGTGAAAATGACTTCATTGAAATGAACTGGATCGACAG
 GAACTCACCTACCAAGAACTGCTGAGAGTGAGCTGCTGTGAGCTGGGTGTTAATCCAGACCAAGTGAAAA
 AGATAAGAAAGTTACCAACACTCTGTTAAGAAAGATTAAGATGAACCAAGACCCTGGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217820 representing NM_146024
Red=Cloning site Green=Tags(s)

MSALLEQKEQERLREAAALGDIREVQKLVE SGVDVNSQNEVNGWTC LHWACKRNHGQVVS YLLQSGADR
 EILTTKGEMPVQLTSRREIRKIMGVEE ADEEEEIPQLKKESELPFV PNYLANPAPFFIYTPAAEDSTQLQ
 NGGPSPPPVSPPADSSPPLLPTETPL LGAFPRDHSSLALVQNGDISAPSAILRTP ESTKPGPVCQPPVS
 QNRSLFSVPSKPPVSLEPQNGTYAGP APAFQPFFFTGFAPFNMQELVLKVRIQNP SLRENDFIEIELDRQ
 ELTYQELLRVSCCELGVNPDQVEKIRKLPNTLLRKIKDEPRPWN

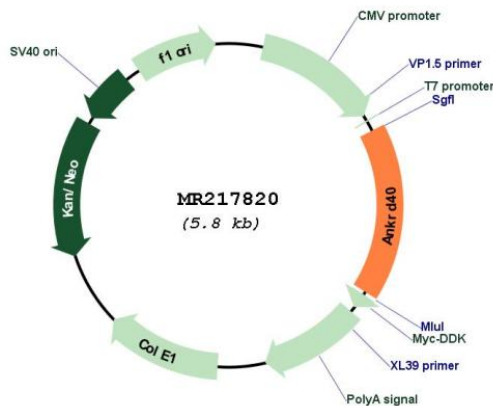
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_146024

ORF Size: 972 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_146024.1 , NP_666136.1
RefSeq Size:	1468 bp
RefSeq ORF:	975 bp
Locus ID:	71452
UniProt ID:	Q5SUE8
Cytogenetics:	11 D
MW:	36.5 kDa