

## Product datasheet for **MR204664**

### Ankrd40 (BC023133) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd40 (BC023133) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd40
Synonyms:	RP23-65114.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR204664 representing BC023133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGAGCGCCCTCCTAGAGCAGAAGGAGCAGCAGGAGAGGCTGCGGGAGGGCGGCCCTTGGGGACATTC  
GGGAGGTGCAGAACTGGTGGAGAGCGGGTGGATGTGAACCGCAAAATGAGGTCAACGGCTGGACCTG  
TTTACACTGGGCATGTAACGCAACCATGGACAGGTGGTGTCTACCTGCTACAATCAGGAGCTGACAGA  
GAGATTCTTACAACAAAAGGGGAAATGCCGGTACAACATCAAGGAGAGAAATCAGGAAGATTATGG  
GAGTGGAGAAGCCGATGAGGAGGAGGATCCCTCAGCTGAAGAAGGAGTCAGAAGTGCCTTTGTCCC  
CAACTATCTGGCCAACCCAGCTTTCCCTTTTATCTACACCCCTGCAGCAGAAGACTCCACCCAATTGCAG  
AATGGGGGCCCTCCCCACCTCCAGTGTACCTCCTGCAGATAGCTCACCTCCATTGCTCCCCCCACAG  
AAACCCCTTTGCTAGGGCCCTTCTAGGGACCACAGCTCTTTGGCATTGGTCCAGAATGGTGATATTTCT  
TGCCCCCTCTGCCATACTTAGAACACCAGAAAGCACAAAACCTGGTCTGTCTGCAGCCACCAGTGAGT  
CAGAACCCTCCCTGTTCTGTGCCATCCAAGCCCCGGTGTCTCTGGAGCCTCAGAACGGGACGTATG  
CAGGCCCGGCCAGCATTCCAGCCATTTTCTCACCGGAGCATTCCATTTAATATGCAAGAGCTGGT  
ACTCAAAGTGAGGATTCAGAATCCATCTTTCGTAAGAAATGACTTCATTGAAATGAACTGGATCGACAG  
GAACTCACCTACCAAGAACTGCTGAGAGTGAGCTGCTGTGAGCTGGGTGTTAATCCAGACCAAGTGAAAA  
AGATAAGAAAGTTACCAACACTCTGTTAAGAAAGAAACGCTGCATCCACACTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204664 representing BC023133  
 Red=Cloning site Green=Tags(s)

MSALLEQKEQERLREAAALGDIREVQKLVE SGVDVNSQNEVNGWTC LHWACKR NHGQVVS YLLQSGADR  
 EILTTKGEMPVQLTSRREIRKIMGVEE ADEEEEE IPQLKKESEL PFPVNYLANP AFPFIYTPAAEDSTQLQ  
 NGGPSPPPVSPPADSSPPLLPTETPL LGAFPRDHSSLALVQNGDISAPSAILRTP ESTKPGPVCQPPVS  
 QNRSLFSVPSKPPVSLEPQNGTYAGPAPAFQPFFFTGAFPFNMQELVLKVRIQNP SLRENDFIEI ELDRO  
 ELTYQELLRVSCCELGVNPDQVEKIRKLPNTLLRKKRCIHTD

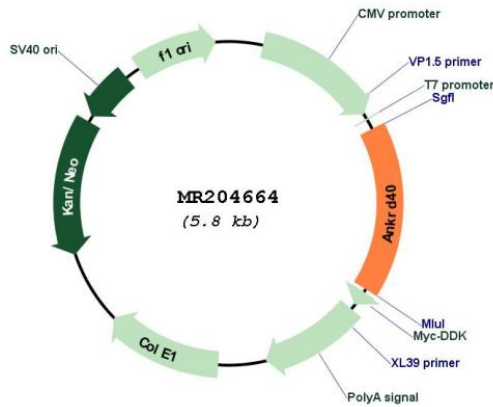
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC023133

**ORF Size:** 966 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="#">BC023133.1</a>
<b>RefSeq Size:</b>	1367 bp
<b>RefSeq ORF:</b>	968 bp
<b>Locus ID:</b>	71452
<b>Cytogenetics:</b>	11 D
<b>MW:</b>	50.1 kDa