

Product datasheet for **MR225102**

Ankrd42 (NM_028665) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd42 (NM_028665) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd42
Synonyms:	4931426M20; 4933417L02Rik; Ikbn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225102 representing NM_028665
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGGTGTGGCTAATCCAGGCCCTCCAAGTCCCGTAGGGAGACTGCAGACTCAAGTCCAGGAAGA
 AGGTACATTTTCAGTAGCATACATGATGCCGTCCGGCTGGAGATGTCAAGCAGCTGTCAAGCATAGTGA
 CGTGGTGCCAACCTTAATGAAGTGGATGCTCTCCATCAGTTTACTCCTTTACATTGGGCAGCACATTCT
 GGAAGTTTAGAGTGCCTTCACTGGTACTCTGGAGTGGTGTGATGCCACACAGACAACAAGGGGAT
 GGACAGCGGCTCACATAGCTGCAATCCGGGTCAGGATGCCTGCTTACAGGCTCTATAATCAATGGAGC
 CAACCTAGCAACTCAAGATGATCGTGGATGCACCCCACTACACCTTGCTGCTACTCATGGACTCTTTT
 TCTTTACAATAATGCTGCGAAGTGGAGTGGATCCCAGCGTGACTGACAAGAGAGAGTGGAAACCTGTGC
 ATTATGCATCTTTTCATGGCGGCTTGGTTGCTTGCAACTTCTTGTCAAATGGGGATGTGGCATCGAAGA
 CGTGGACTACAATGGAAACCTCCCGTTTCAATTAGCAGCCATGGAAGGCCACCTCATTGTTTGAATTC
 CTACTGAGTAGAATGAACAGTGAACACAAGCCTTAAAAGCCTTCAATGATAATGGAGAAAATGATTGG
 ACCTGGCCACGGGTTTTTGAACAGAATGTTGTAGAGTTTATTCAAGGGGCTCAGTATGAAGGAAGCCA
 TCCAGATGATCATGATGATTTAGCCTTTCCAGGTGATGTGGTGCCTTTAAGGGTGACTTAGAAGTGCTT
 AAGAACTGATAGGAGACGGGTAACTCAATCTGAATGAACGCGATGATAATGGATCAACTCCCATGCATA
 AAGCTGCTGGACAGGGCCACATTGATTGTTTGCAGTGGTAAATGAAATGGGAGCCGAAAGCAATATTAC
 CAACAAAGCAGGAGAGACCCCAAGTGTGTGGCTAAGAGATTTGCCATTTGGCTGCAGTGAACTCTTG
 GAGGGCTACAGAAATAGAAATAGATGACATTGAGAGTGATAAAGATCATATAAATTTTTTACAAGGC
 ATGGTGTGAAGGAAGCACCGATGCCAAGGATGACTTATGTCTGAGTGAATCAGACAAGCAAAATGCCG
 AATGAGAGCTCATAAGAAAATTGTAGAATTGAGACAACCTCTTGAATCGCTGAGAGCAACTTTAAACAC
 TTGGTGGGATAACCGAAGAGGATTTAAAGCAGAAGAAAGAACAGCTGGAGTCTAAGAAGACCATCAACG
 AGCTGCAGGGCCAGCTGGCCTATGAGCGACTCCGACGGGAAAAGTTAGAGTGCCAGCTGGATGAGTATCG
 AGTGGAAGTGGATCAACTCAAGGAAACGCTGCAGAAAAATCCAGGTACCAGTGTCCGGCTATGGAAGAT
 GACTCGTGTGAGTCTAGCAAAGAGAAGCGGCGAGTGAAGAAAAAGTGTACCTGGGGTGTGTTTGTGA
 GAAGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225102 representing NM_028665
 Red=Cloning site Green=Tags(s)

MPGVANPGPSKSRRETADSSSRKKVHFSSIHDAVRAGDVKQLSDIVERGANLNEVDALHQFTPLHWAHGS
 GSLECLHWLLWSGADATQTTTRGWTAAHIAAIRGQDAQLIINGANLATQDDRGTPLHLAATHGHSF
 SLQIMLRSGVDPVSVTDKREWKPVHYASFHGRGLGCLQLLVKWGCGIEDVDYNGNLPVHLAAMEGHLHCLKF
 LLSRMNSATQALKAFNDNGENVLDLAQRFLKQNVVEFIQGAQYEGSHPDHDDLAFPGHVAAFKGDLEVEL
 KKLIGDGVINLNERDDNGSTPMHKAAGQGHIDCLQWLIEMGAESNITNKAGETPSDVAKRF AHLAAVKLL
 EGLQKYEIDDIKDHINFFTRHGVGSDAKDDLCLSESKANARMRAHKKIVELRQLLEIAESNFKH
 LGGITEEDLKQKKEQLESKKTINELQGQLAYERLRREKLEQLDEYRVEVDQLKETLQKIQVTSVAAMED
 DCESSKEKRRVKKKVPGGVVFVRRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9061_d07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_028665

ORF Size: 1548 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_028665.4](#), [NP_082941.2](#)

RefSeq Size: 2801 bp

RefSeq ORF: 1551 bp

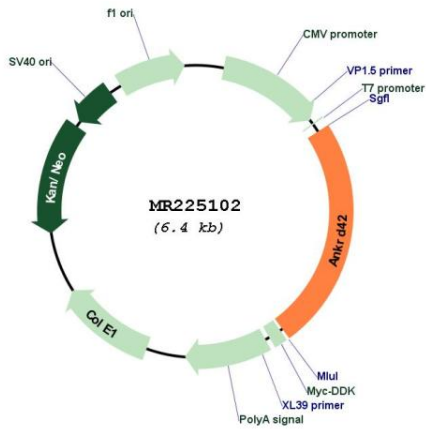
Locus ID: 73845

UniProt ID: [Q3V096](#)

Cytogenetics: 7 E1

MW: 57.3 kDa

Product images:



Circular map for MR225102