

Product datasheet for **MR209181**

Ankrd13a (BC108413) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd13a (BC108413) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd13a
Synonyms:	1100001D10Rik; ANKRD13; AU046136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209181 representing BC108413
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGGCCCGACACCAGCAGCCGCTTCCCGCTGCACCTCCTGGTCTGGAACAACGACTACGAGC
 AGCTGGAGAAGGAGCTGCGGGACCAGAATGCAGAGGCCTTGGACCCCGGGTCTGGACATTAAGTGCACCT
 TGCAGTTTCTCTGGGCATCTGGAATCTGCTCGAGTCTTCTGCGCCATAAAGCAGATGTGACCAAAGAG
 AACGGCCAGGGATGGACAGTCTTACACGAAGCTGTGAGCACGGGCGATCCCGAGATGGTGTACACCGTCC
 TGCAGCACCGAGACTACCACAACACGTCCATGGCCCTGGAAGGTGTACCCGAGCTGTACACAAAATCCT
 CGAGGCCCGGATTTCTATGTGCAGATGAAGTGGGAGTTCACCAGCTGGTGCCTTGGTGTCTAGAATA
 TGCCCCAACGATGTCTGCGCATATGGAAGAGTGGAGCCAAGCTGCGCGTGGACATCACCTTGTGGGGT
 TTGAAAACATGAGCTGGATCAGAGGGAGCGGAGCTTCATATTTAAGGGAGGAGACAACCTGGGCGGAGCT
 GATGGAGGTCAACCACGATGACCGCGTGGTCACCACCGAACACTTCGATCTTTCCAAGAAATGGAGCGC
 CTCACCTGGACCTGATGAAGCCAAAAGCAGGGAGGTGGAGAGGCGGCTGACAAGCCAGTCATCAACA
 CCAGCCTGGATACTAAGAACGTTGCCTTTGAGAGAATAAATCCGGATTCTGGGGCTGGAGGACAGATAA
 AGCTGAAGTTGTCAATGGTTACGAAGCCAAGGTTTACTCGGTAACAACGTGAGCGGTGATAACCAGGATC
 CGCACCAGCACCTAACGGAGGAGGAGAAGAAGCGATACAAGAGGACCGGAATCCACTGGAGTCTCTGC
 TCGGAACCGTGGAAACATCAGTTTGGTGTCAAGGGGACCTCGCTACGGAGTGTGCCACTGTGAACAACCC
 CACGGCCATCACTCCCGACGAGTACTTTGACGAAGACTTTGACCTGAAAGACAGGGACATTGGAAGACCA
 AAAGAGCTGACAATTAGAACGCAGAAGTTAAGGCTACGCTGTGGATGTGCGAGGAGTCCCCTCTCCC
 TCGTGGAGCAGGTCATCCCATCATTGACCTCATGGCTCGCACCCAGCGCTCACTTTGCCAGTTGAGAGA
 TTTTCATCAAATTGGACTTCCCTCCTGGATTCCCTGTCAAATAAGAAATCCCTTATTCCAGTCTTAAAC
 GCACGGATCACATTTCGGAATGTCAATGGCTGTAGCACTGCTGATGAGAGCCAGGGTGTGGAGGGACCC
 CGGCCGAGGCAGTTCCGAGGCCACAACTTCGAGGTTGATCAGTCTGTCTTTGAAATCCCTGAATCCTA
 CCACATTAAGACAATGGCAGAAACGTGCACCTGCAAGACGAAGACTATGAGATCATGCAGTTTGCATC
 CAGCAGAGCCTGCTGGAGTCCAGTAGGAGCCAGGACCTTTCAGGACCAGCTTCCAACGGAGGGGTGAGCC
 ACACACACAGCTATGAAGCCCAGTATGAGAGGGCCATCCAGGAGAGTCTCCTAACCAACATGGAGGGCAG
 GTGCCAGGTGGCTCAGCGAGTCGAGCCGATTTCGATAGCGACCTGCAGCTGGCCATGGAGCTGTCTGCC
 AAAGAGCTGGCGGAGCGGAGCTCAGGCTCCAGGAGGAAGAAGCGGAGCTCCAGCAAGTCTACAGCTGT
 CTCTCACTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209181 representing BC108413
 Red=Cloning site Green=Tags(s)

MSSARDTSSRFPLHLLVWNNDYEQLEKELRDQNAEALDPRGRTLLHLAVSLGHLESARVLLRHKADVTK
 NGQGWTVLHEAVSTGDPPEMYYTVLQHRDYHNTSMALEGVPELLHKILEAPDFYVQMKWEFTSWVPLVSRI
 CPNDVCRWIKSGAKLRVDITLLGFENMSWIRGRRSFIFKGGDNWAELEMEVNHDDRVTTEHFDLSQEMER
 LTLDMKPKSREVERRLTSPVINTSLDTKNVAFERTKSGFWGWRDKAEVVNGYEAKVYSVNNVSVITRI
 RTEHLTEEEKRYKEDRNPLESLLGTVEHQFGAQGDLATECATVNNPTAITPDEYFDEDFDLKDRDGRP
 KELTIRTQKFKATLWMCEEFPLSLVEQVIPIIDLMARTSAHFARLRDFIKLDFPPGFPVKIEIPLFHVLN
 ARITFGVNGCSTADESQGVEGTPAEAVSEATNFEVDQSVEIPESYHIQDNGRNVHLQDEEYIMQFAI
 QQSLLESSRSQDLSPASNGGVSHTHSYEAQYERAIQESLLTNMEGRCPGGLSESRFSDSLQLAMELSA
 KELAERELRLQEEEAELQQVQLSLTEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9060_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC108413

ORF Size: 1764 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: [BC108413.1](#)

RefSeq Size: 3850 bp

RefSeq ORF: 1766 bp

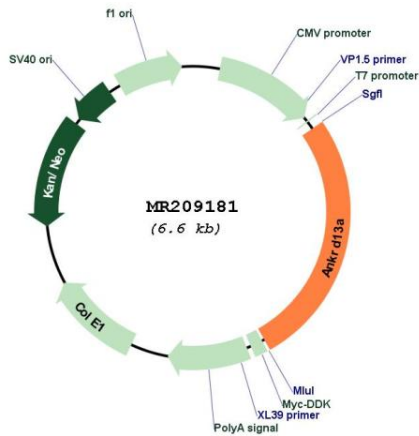
Locus ID: 68420

Cytogenetics: 5 F

MW: 67.2 kDa

Gene Summary: Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. Does not bind 'Lys-48'-linked ubiquitin. Positively regulates the internalization of ligand-activated EGFR by binding to the Ub moiety of ubiquitinated EGFR at the cell membrane (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209181