

Product datasheet for **MR209168**

Ankrd13a (NM_026718) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd13a (NM_026718) 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:

>MR209168 representing NM_026718
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCCTCGGCCCGACACCAGCAGCCGCTTCCCGCTGCACCTCCTGGTCTGGAACAACGACTACGAGC
 AGCTGGAGAAGGAGCTGCGGGACCAGAATGCAGAGGCCTTGGACCCCGGGTTCGGACATTACTGCACCT
 TGCAGTTTCTCTGGGCATCTGGAATCTGCTCGAGTCTTGCTGCGCCATAAAGCAGATGTGACCAAAGAG
 AACGGCCAGGGATGGACAGTCTTACACGAAGCTGTGAGCACGGGCGATCCCGAGATGGTGTACACCGTCC
 TGCAGCACCGAGACTACCACAACACGTCCATGGCCCTGGAAGGTGTACCGAGCTGCTACACAAAATCCT
 CGAGGCCCGGATTTCTATGTGCAGATGAAGTGGGAGTTCACCAGCTGGGTGCCCTTGGTGTCTAGAATA
 TGCCCCAACGATGTCTGTCGATATGGAAGAGTGGAGCCAAGCTGCGCGTGGACATCACCTTGTGGGGT
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 CTCACCTGGACCTGATGAAGCCAAAAGCAGGGAGGTGGAGAGGCGGCTGACAAGCCAGTCATCAACA
 CCAGCCTGGATACTAAGAACGTTGCCTTTGAGAGAACTAAATCCGGATTCTGGGGCTGGAGGACAGATAA
 AGCTGAAGTTGTCAATGTTACGAAGCCAAGGTTTACTCGGTAACAACGTGAGCGTGATAACCAGGATC
 CGCACCAGACCTAACGGAGGAGGAGAAGAAGCGATACAAGAGGACCGGAATCCACTGGAGTCTCTGC
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 CACGGCCATCACTCCCGACGAGTACTTTGACGAAGACTTTGACCTGAAAGACAGGGACATTGGAAGACCA
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 CAGCAGAGCTGCTGGAGTCCAGTAGGAGCCAGGACCTTCAGGACCAGCTTCAACGGAGGGGTGAGCC
 ACACACACAGCTATGAAGCCAGTATGAGAGGGCCATCCAGGAGAGTCTCCTAACCAACATGGAGGGCAG
 GTGCCAGGTGGCTCAGCGAGTCGAGCCGATTTCGATAGCGACCTGCAGCTGGCCATGGAGCTGTCTGCC
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Protein Sequence:

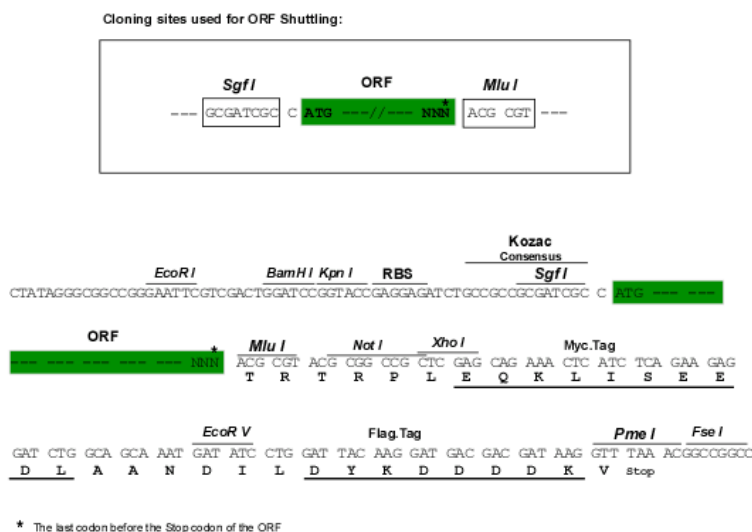
>MR209168 representing NM_026718
 Red=Cloning site Green=Tags(s)

MSSARDTSSRFPLHLLVWNNDYEQLEKELRDQNAEALDPRGRTLHLAVSLGHLESARVLLRHKADVTK
 NGQGWTVLHEAVSTGDPVMVYTVLQHRDYHNTSMALGVPELLHKILEAPDFYVQMKWEFTSWVPLVSRI
 CPNDVCRIWKSAGKLRVDITLLGFENMSWIRGRRSFIFKGGDNWAELEVNHDDRVTTEHFDLSQEMER
 LTLDLMPKPSREVERRLTSPVINTSLDTKNVAFERTKSGFWGRTDKAEVNVNGYEAKVYSVNNVSVITRI
 RTEHLTEEEKKRYKEDRNPLESLGTVEHQFGAQDLATECATVNNPTAITPDEYFDEDFDLKDRDIGRP
 KELTIRTQKFKATLWMCEEPLSLVEQVIPIIDLMARTSAHFARLRDFIKLDFPPGFPVKIEIPLFHVLN
 ARITFGNVNGCSTADESQGVEGTPAEAVSEATNFEVDQSVFEIPESYHIQDNGRNVHLQDEDEYIMQFAI
 QQSLLESSRSQDLSPASNGGVSHTHSYEAQYERAIQESLLTNMEGRCPGGLSESSRFDSDLQLAMELSA
 KELAERELRLQEEEAELQQVLQLSLTEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_026718

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: [NM_026718.2](#), [NP_080994.2](#)

RefSeq Size: 3316 bp

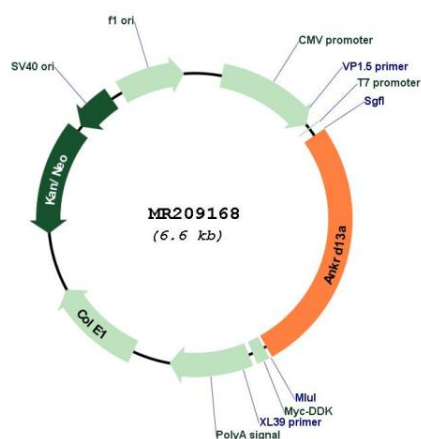
RefSeq ORF: 1767 bp

Locus ID: 68420

UniProt ID: [Q80UP5](#)

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 MR209168