

Product datasheet for **MC220627**

Ankrd13b (NM_172945) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd13b (NM_172945) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankrd13b
Synonyms:	AW124583; B930093C12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220627 representing NM_172945
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCCGCCAACGCCTCCGCCAGGAAGGGCCCGAGGGCAAGTACCCGCTGCACTACCTCGTGTGGC
 ACAACCGCCACCGGGAGCTGGAGAAGGAGGTCCGCGCCGGCCAGGTGGACATTGAACAACCTAGATCCCCG
 AGGCCGGACTCCTCTGCACCTGGCTACCACCTGGGGCACCTGGAATGTGCCCGTGTGCTTTGGACAT
 GGTGCAGATGTGGGCAGGGAGAATCGCAGTGGTTGGACAGTGTGCAGGAGGCTGTGAGCACCAGGGACC
 TTGAGCTGGTGCAGCTGGTGTGCGGTACAGGGACTACCAGCGGGTGGTGAAGCGACTGGCGGGTATCCC
 CATGCTCTGGAGAAGCTACGAAAGGCCAGGATTTCTATGTGGAGATGAAGTGGGAGTTCACAAGTTGG
 GTGCCCTGGTATCCAAGATTTGCCCTAGTGACACATACAAGTGTGAAGAGTGGGCAGAACCTGAGGG
 TAGACACCACGCTTTTGGGCTTTGACCATATGACCTGGCAGAGGGGAATCGCAGCTTCGCTTTCAGAGG
 TCAAGACACAAGTGTGTGGTCAATGGAGATTGACCATGACCGCCCGTGGTGTACATGGAGACCCTGGCG
 CTGGCCGGGCAGGATCGGGAGCTACTGTGGCTGCCGCCAGCCCTCGGAGGAACAGGTGCTGAGCAGGC
 TTAATGCGCCCGTTGTCACCACACAGCTCGACACCAAGAACATCTCCTTTGAGAGGAACAAGACTGGCAT
 TCTGGGCTGGCGCAGTGAGAAGACAGAGATGGTGAACGGGTACGAGGCCAAGGTATACGGGGCCTCCAAT
 GTGGAGCTCATCACCCGGACACGGACAGAGCATCTTTCCGGAACAATAAAGGCAAAGTCAAAGTTGTA
 AGACACCTCTGCAGTCTTCTCGGGAATTGCCGAGCAGCACGGGGGACCCCAAAATGGGACCCTGATCAC
 TCAGACTCTGAGCAAGCCAACCCCTGCCATCACTGCAGAGGAATACTTCAACCCCAACTTTGAGCTT
 GGCAACCGGGCCATGGGACGTCCCATGGAGCTGACCACCAAGACGCAGAAAGTTCAAGGCCAAGCTGTGGC
 TGTGTGAGGAGCACCCCTGTCCCTGTGTGAGCAGGTGGCTCCCATCATTGACCTCATGGTGTGAGCAA
 CGCACTTTTGGCAAGCTCCGGGACTTCATCACGTTGCGCTGCCTCCTGGCTTCCAGTCAAGATTGAA
 ATCCCGATTTTTCACATCCTCAACGCCGCATCACCTTCGGGAACCTCAATGGCTGCGATGAGCCAGTGC
 CCTCGGTGCGAGGTAGCCCCGGCAGCGAGACGCCCTCCCCTGGCAGTGACTCTTCCAGCGTCAGCAGCTC
 CAGCTCTACCACCTCCTGTGCTGCTGTGAGATCTCCCCTGCACTGTTCCGAGGCCACAGTGGCTACAGT
 GTGCTGGGCGGCCAGCGAGAGGCTGTGCCTCGTGATGAAGATGATGACCTGCTGCGGTTTGGCATCCAGC
 AGAGCCTGCTTGAGGCGGGCAGTGAGTATGACCAGGTACCATCTGGGAGGCGTAACCAACAGCAAGCC
 AGGCACCCACCCATGTCCTATGAAGGCCGCCGACAGGACAGGCCAGAGAACCCTCAGTGCCTTCAACA
 CCTGGTATCGAGAACCCGTTATCAAGATGGCTTCTGCCAACCCCTTTCCTGGCACAGGGAGGGTGGCCA
 GTGCTCCAGGCATGTGCAGAGATCAGGGACCTAGCTCCCTGGACCTTCCAGACCCTCAACAACAGACAGGT
 GTCCCAGGTGTGCCGGGAGCGGGGAGCGCTCGACAAATCCTCCCCGCCCCAGGAGCGCCCCACCCACGC
 CGCAGCGCCAGCCATGCCCCGGCTCCAGTGCCAGCCCTCGGCCAGCCAGGTCCCAGCTCCAGCAG
 CCATGTGTTCCGGAGCTACGACGAGCAGCTGCGGCTGGCTATGGAGTTGTCCGCTCAGGAGCAGGAGGAG
 AGGCGGCGCGAGTGCGCCAGGAGGAGGAAGAGTTGGAGCGGATCCTGCGGCTCTCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172945
- Insert Size:** 2091 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_172945.2](#), [NP_766533.2](#)

RefSeq Size: 3336 bp

RefSeq ORF: 2091 bp

Locus ID: 268445

UniProt ID: [Q5F259](#)

Cytogenetics: 11 B5

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]