

## Product datasheet for **MC223355**

### Ankrd28 (NM\_001024604) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ankrd28 (NM\_001024604) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ankrd28  
**Synonyms:** AI465466; AI604979; E430019N21Rik; mKIAA0379  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223355 representing NM\_001024604  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGTTCTCAAACCTCCGCGACCAGCCATCACTGGTGAAGCTATATTTAATGGTGATCCAGATGAAG  
TCCGAGCACTAATATTTAAGAAAGAAGATGTTAACTTTCAGGACAATGAGAAGAGAACCCTTTGCATGC  
TGCTGCCTATCTGGTGACGCAGAAATCATTGAGCTGCTTATTTATCTGGAGCTAGAGTTAATGCCAAA  
GACAGCAAATGGTTGACACCTTTACACAGAGCAGTTGCATCGTGTAGTGAGGAAGCAGTTCAGATACTTT  
TGAAGCATTCTGCAGATGTTAATGCTCGAGATAAAAATTGGCAGACCCCTTTACACATAGCTGCTGCTAA  
TAAAGCTGTAAGTGCCTGAATCTTTGGTACCTCTTCTGAGCAATGTGAACGTGTCCGACCGAGCAGGA  
AGAAGTGCATTACATCATGCAGCTTTCAGTGGGCATGGTGAAGTGGTCAAACCTACTCTTGTCCAGAGGTG  
CCAATATAAATGCTTTTGACAAGAAAGATAGGCGTGCAATCCATTGGGCAGCATATATGGGTACATTGA  
AGTAGTAAAATTACTTGTATCTCATGGAGCTGAAGTGACATGTAAGGATAAGAAGTCTTACACACCTCTT  
CATGCAGCAGCCTCTAGTGAATGATCAGTGTAGTCAAATATCTTCTAGATCTTGGAGTTGATATGAATG  
AACCAAATGCCTATGGAACACACCTCTTCAATGTGGCCTGTTACAATGGACAAGATGTTGTTGTAATGA  
GCTCATAGACTGTGGTGCTAATGTCAATCAGAAGAATGAGAAAGGTTCACTCCTTTGCACTTTGCTGCT  
GCATCAACACATGGAGCCTGTGTTTAACTTCTGGTTGGCAATGGAGCTGATGCAATATGAAGAGTA  
AAGATGGGAAAACCCCACTACATATGACTGCCCTCCACGGTAGATTCTCCAGATCACAAACGATTATCCA  
GAGTGGAGCTGTAATAGACTGTGAAGATAAGAATGGGAACACCCCTTTGCATATAGCAGCCCGGTATGGC  
CATGAGCTTCTAATCAACACTCTTATTACAAGTGGTGTGACTGCAAAAGCGTGGTATACATGGAATGT  
TCCCACTCCATTTGGCAGCCTTAAAGTGGTTTTTCAGATTGCTGCAGGAACTCCTTTCTCAGGATTTGA  
CATAGATACCCAGATGATTTTGGCAGAACCTGTCTACACGCAGCTGCAGCTGGAGGAAATTTGGAGTGC  
CTAAACCTTCTGCTGAATACTGGTGCAGACTTCAACAAAAGGATAAATTTGGAAGATCTCCACTGCACT  
ATGCTGCTGCCAACTGCAATTACAGTGCCTGTTTGTCTTGTGGGATCAGGAGCAAGTGTGAATGACCT  
TGATGAGAGAGGCTGCACACCCCTGCACTATGCAGCTACATCTGCACAGACGGCAAGTGCCTGGAATAC  
TTACTAAGAAATGATGCCAACCCAGGGATCCGGGACAAACAAGGCTATAATGCAGTTCACACTACTCAGCTG



CGTATGGTCACCGTCTGTGTCTTCAACTGATTGCAAGTAACTCCTTTAGATGTTTTAATGAAAACCTC  
 GGAACAGACATGTTGAGTGATTAGATAATAGAGCAACAATAAGCCCTTTACATTTGGCTGCTTATCAT  
 GGTACCACCAAGCCCTGGAAGTGTGGTACAGTCTTTGTTAGATCTTGATGTAAGAAATAGTAGTGGTA  
 GAACACCCTTAGATCTTGACGCTTTAAGGGCCATGTTGAATGTGTGGATGTACTCATTAAATCAGGGAGC  
 TTCAATCCTCGTAAAAGATTACGTTTTGAAGAGAACACCTATCCATGCAGCAGCAACAAATGGTCATTCA  
 GAATGCTTACGGTTATTAATAGGAAATGCAGAGCCACAGAATGCAGTAGATTTCAAGATGGAATGGAC  
 AGACACCTTTATGCTGTCGGTTCTCAATGGGCACACGGACTGTGTATACTCACTACTGAACAAAGGAGC  
 AAATGTAGATGCCAAAGACAAGTGGGAAGGACAGCGTTGCACAGAGGGGCAAGTACAGGCCATGAAGAG  
 TGTGTAGACGCATTACTTCAACATGGTGTAAAGTCTTACTACGGGACAGCCGGGTGCGACACCCATAC  
 ACTTGTGACGAGCCTGTGGACACATTGGAGTCTTGGAGCCCTTTTGCAGTCAGCAACATCTGTGGATGC  
 AAATCCAGCCGTAGTAGACAATCATGGGTATACAGCACTTCACTGGGCTTGTACAATGGTCATGAGACA  
 TGTGTGGAGCTACTTTTGAACAGGATGTTTTCCAGAAAATAGATGGAATGCTTTCAGCCCCCTGCATT  
 GTGCCGTGATCAACGACAATGAAGTGCAGCTGAGATGCTGATTGCTTCCCTAGGAGCCAGCATTGTGAA  
 TGCCACAGACTCAAAGGGAAGAACTCCTCTCCATGCCGCTGCCTTACAGACCATGTGGAGTGTTCACAA  
 CTGCTGCTCAGCCAGAATGCTCAGTCAATCCGCAGACTCTACCGAAAAACACCTCTCATGATGGCTG  
 CAGAAAACGGACAACCAATACAGTTGAGATGCTGGTTAGCAGTCTAGTGCAGATCTGACATTACAAGA  
 TAAGAGTAAAAACACCGCCCTTCATTTGGCTTGTGGCAAGGGTCAAGAACTAGTGCCTTGTAAATCTG  
 GAAAAGATAACAGATAGAAACCTCATCAATGCAACCAACGCAGCCTTGCAAAACCTCTGCATGTTGCTG  
 CCCGAAATGGGCTCACGATGGTTGTTCAAGAGCTCCTGGGAAAGGAGCCAGTGTGCTTGTGTTGATGA  
 GAATGGCTACACCCAGCTTTGGCTGTCTCCAATAAGGATGTGGCTGACTGCCTGGCTCTCATTTTGG  
 GCCACCATGATGCCTGTCTCGTCAAGTAGCCATTGACATCCCTGACATTCAATGCCATTAACCGTTATA  
 CCAACACCTCAAAAACAGTTAGCTTTGAAGCCTTGCTATCATGAGGAATGAAGCCAGCTCTACTGCAG  
 TTTTAAACAACATTGGTGGCGAGCAGGAGTACTTGTACCCGACGTGGATGAGCTCAACACTCTGACTCC  
 GAGACCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001024604
- Insert Size:** 3162 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\\_001024604.2](#), [NP\\_001019775.1](#)
- RefSeq Size:** 5229 bp

RefSeq ORF: 3162 bp

Locus ID: 105522

UniProt ID: [Q505D1](#)

Cytogenetics: 14 B

**Gene Summary:** Putative regulatory subunit of protein phosphatase 6 (PP6) that may be involved in the recognition of phosphoprotein substrates. Involved in the PP6-mediated dephosphorylation of NFKBIE opposing its degradation in response to TNF-alpha. Selectively inhibits the phosphatase activity of PPP1C. Targets PPP1C to modulate HNRPK phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]