

Product datasheet for **MC206441**

Ankrd32 (BC024900) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd32 (BC024900) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ankrd32
Synonyms:	2700017A04Rik; Ankrd32; AW545819; Brctd1; Brctx; C730024G01Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024900
 CTCAAGTTTTTCTTTAATTTACTTGAAGGTGAAGTTCGGCATTGAGTCAAAAAGTTATGTGACTGGTCAG
 ATTCTCAGAGTCTAAAAGTAACAGAAAAGGCAATCTTTCATGAAATTTTTGGTCAGGAAGTGAACTTC
 AGGACTTTTGACAAAACAGTAAATATGCTTTTGGAAATGGACTATATATTCTCACAAGGAAAAATGCAAG
 TCTAATGATGTCTCAACATGAACTATCTTACTACTGACTGGAATCTTGGTGCAGCAGTAGATTATT
 GGATCTTCCTTGGTATTCAGATGGGTAGAAATGTGATCCGACATATGTCTGATGACTTAGGAAGTTATAT
 TTCCCTTTCTGTGATGACTTTTTCTTCAAAGAAGTACTAGAGATCTTCATTTGTTCTTTTCATCTTCCTGG
 CTTCAAATGTTTTGTTGCAGAAGCAATTTTTAAAAAGCTGTGCTTACAGGGCCCCACTAGTACGTGCACTG
 AGCCACTCTCTTTCAGAAAATAATAGATTCTATTTGCCAGTTTTGGGAAAAATGGACATACATGGGGC
 TGGAAAGATGCAGAGTCCAAAAAACTCTGCCAGCGCCTTGCCTAGAGTCTCAAAGAGCATTACTAATG
 CTGAATGGTGCAAAACGGAAACAAGCAGAAGGTGGCCAGAGCTCCTAGAGTTAAACCGTCTAAATGTT
 CCTCATCATTGAAAAATTGAAAAAGAAGTCAGAGGAATTGTCATGTTCCAAGGAGAATTGCCATCTTT
 GGTTACAAAGATGAATTTTCATAAACTAATCTGAAAGGGGAAACAGCTCTGCATAGAGTTGCATAAAA
 AACCAAGTGGAGAAATTGATTATCCTTCTGTCTTTGCCAGGAATAGACATCAATGTTAAAGACAATGCTG
 GCTGGACGCCTTGCATGAAGCCTGCAACTATGGCAACACGGAGTGTGTCCAGGAAATTCGCAGCGTTG
 TCCAGAGTGGATCTGCTCACTCAAGTGGACGGGGTACGCCTTTGCATGATGCGCTGTCAAACGGACAT
 GTGGAGATTGGCAAGCTGCTTCTACAGCGTGGGGGCCAGAACTTTACAGCAGAGGAAGCTAAGGGGG
 AGTTGCCCTTGGATTATGTGCTGTCCCCTAAGGACAAGGAAGAAGTATTTGCCATTACAAATATAGACGA
 TACAGTGGACAACCTTTCATGCTAAGACACAGAAACATTTTTACCACCAACAGCTTGAATTTGGTTCGTTT
 TTACTTAGTAGGATGTTGATTAATTTTTGTTCAATATTTGATTTGCTCCTCAGAATTTATCCTAGCTTTCA
 AAGGGTTAGGTCATCTAAATGAGTTGCTTATGGCATGCAATAGTGATACAGAAGCCAGCAATGCACATAC
 TGACTGGTTATTGGATGTTTATGCTAGGAATATAAAGACATTAAGAAGCTCCCAAGTGTCTTAAAGAG
 CTGCCTGAGAATCTAAATGTATGCTCTGGAGTGCATACTGAGGCCTTACTGGTGACACTGAAAATGATGT
 GTCAGTCAATCACAGAGCTGTCTATGATGCCAGAAAGTATGAATCAGATGTCTGAACGTGCAACATGCTTT
 GTCATTTAGTATATCCATAGCTTATGGAAAAATATTAATTTTCAGTTACTCACTGACAGCAAAGTTTCAT
 AGCACTTATAAAACATCTACAGATCTAAAATATGGGCTCAGGATTTAACTCAGAAACATACAATAAGAAA
 ATGAAGTAGTTTTGTTCCGTATAAATGGTTTCACTGATTTTTAAAAACAGATTTGTTCTTCAAATATTT
 ATTTATATATATATAGAAAATTAATTTAAATATTTTTTCAAGTCAAAATGCCTTTCTCTGAGTGC
 TACAGGCTGAAAATCATGGCAAGGATATTCATTCAAATGTGCATCTATATAAATGTATAAAGTTGTTT
 GTTCTTTATATTTAAGATGCATTTGCTTTTTTTGTGTTTCTAAAAATAAACCTTTCTAGGACTTTAAAAAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: BC024900

Insert Size: 1266 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: [BC024900](#), [AAH24900](#)

RefSeq Size: 2075 bp

RefSeq ORF: 1266 bp

Locus ID: 105377

Cytogenetics: 13 C1

Gene Summary: Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance. The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks. Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions.[UniProtKB/Swiss-Prot Function]