

Product datasheet for **MC206746**

C430003P19Rik (BC030838) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C430003P19Rik (BC030838) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	C430003P19Rik
Synonyms:	AA589499; Abro1; AI853413; C430003P19Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC030838
 GATTATGCGAGCAAAGTGAATGAAGAAAGTTTGGACAGAATTCTGAAAGATCGGAGGAAGAAAGTTATCG
 GATGGTACAGGTTCCGGCGAAACACCCAGCAGCAGATGTCCTACAGGGAACAGGTCATCCACAAGCAGCT
 CACCCGCATCCTCGGCGTGCCAGACCTGGTCTTCTTCTTCTCAGCTTCATCTCTACCGCCAACAATTCT
 ACTCATGCTTTAGAATATGTTCTCTTTAGACCAAACCCGAGGTATAATCAAAGGATATCACTTGTATTTC
 CCAATCTAGGCAATACTAGCCAGCAAGAGTACAAAGTGTCTTTCAGTGCCAAACACGTCCTCAGAGTTATGC
 CAAGGTCATTAAGAGCACGGTACTGACTTTTTTGGACAAGGATGGAGTCATGAAGGACATCAGGGCAATT
 TATCAGGTTTATAATGCACTTCAGGAGAAAGTACAGGCAGTATGTGCAGATGTAGAAAAGAGTGAGCGGAG
 TTGTTGAATCTTGTGAGGACAGAAAGTGAACAAATTGAGAAGACAAATCACTCAGAAGAAAAATGAAAAGGA
 ACAAGAAAGAAGATTGCAGCAGGCCCTGTTAAGCAGACAGATGCCATCCGAAAAGTCTGGAGCCAGCGTTC
 AGCCCTCGGATGTCCTATTCTGGGTTTTAGCTGAAGGGAGAAGTACTCTGGCAGAAACGGAGCCCTCTG
 ATCCTCCGCCCTTACTCTGATTTCCACCAAACAATCAAGAAAGTACTCTGAGCCATTCTCGCATGGA
 AAGGAGTGTCTTATGCCCGTCTCAGGCTGTGGGCTCTCCAGCTATGCTTCCACCAGTGGCGGACTG
 AAGTTCAGTGAAGTGGAGCAGATCTTCTTCTTCCAGAGTGCAGCTGGAGACAGTGGGGAGGAGTCAG
 ATGACAGTGATTATGAAAATTTGATTGATCCTGCAGAGTCCCCTCATAGCGAATACTCACATTCAAAGAA
 TTCACGGCCCTCGACACATCCTGACGAGGACCCAGGAACACTCAGACCTCCAGATTTAAGTAAACAAA
 TGACACTCTCCACTTGGCACTACTTTTTCTAATGGCTATTGAGTGTGTTGAGGACTTAATCTGTGGGG
 AGACCTGCTTCTCAGATGCCGCGGCTCCTGAGTGGAGCATCCTGTGCACAGAACTCCGAGAATCCTCTG
 TCCGCTGGTCTCACCTCTGGGTACAGTGCACAGGTTCAACAACAAATCATTACGATAATCAAATTTGTC
 TAATCTGGTGGCATTATGGATGTACTAGTGAATTTAGGCAGAGTGACCCTCAGTGTAGTCTGTTCTT
 AAGATAAATCAGATCAGAGACTGAGCACAATTAGTCTATAAATAGTCTGTACGTCAGAACTTACCTCTG
 CACTATCATGCCTTGAACTTGCCTTTTCAAAGGGAAACGAATTTAGCAGCAGCCTTCAAAGAATTTCT
 ATGATGAGCCAAATTCATCTTTGCCAGAAAAGAAATTTTGTAAATCCAAGAAGCCTAATTGGAACAAGT
 CAGACATTCCTTCTCATCTGCATGGTTTTGTAAAGATGAGAAGAGAGGGCTTTGTTTTCAACTTTTTTCT
 ACTAGCCTGATACGTATTGTCACCTTAAATGGTTGCCTTTTTTAAATGTAGGAATACTAATCCCCAGCGA
 GTACTCATCTGGATCAGGCCCTTGTCTTTTGGTGCACGCCAGCGATGCTGCGCTGCATGCAGTCATGGAG
 GGAGGCCACACACCAGCAGATGGCAGAAGGGAGAAGCCAGGCCTGAGTCTGTAGTGAACAGATCCCAGAC
 ACAGTGGATTTAACTAAGTTCCTATGGAAGGATGTAATGTACTTAGGTGTGGCGGATCCTGGGCTAGAG
 TTGTGGAGGAAAGACGTTTTTGGAAAAATCCAGGAATCTTGGTACTACAGAGCTACTCAAGTATGA
 ATAACCATACTTCTTTTTCCCTAAAGTTGCCATTTAGGGGATAATTGCAAATGTGCGGAGACCATTGG
 GATGCACTTACGCTTTTATTAATTAAGTCTGTTTCTAGTTTTGCCAGAAATGTGTGAAACCACTAAA
 AACCATTTTTGAGTATGTTGGGCTGCTGGATTGGAAGTGCAAGACCTACCATATATGGCAATCAATCAG
 CCCATGATGCTTGGCGTGAAGTGCCTTCTTGGACTAGTTAAAACGCGTAAGGATGAGGATACCGTTAA
 AAGTTTTCAAAGGAGTCATCTCGTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT
 GTGGATACAGTCTTAGAGACGAGATGCTGACCGTCTGCTTTGATTGTGCCCCAGGGTCTGCATTGTAAC
 TGCTATCTGGTTTTCTGGGCTCACACCACTCCGTTTTGATTTGAATGTCGAGGGTCACTTTATCTGCAG
 TGCGTTCCAGCTTTTATCAGCTACCTGCTAGCAGCTTCAGCACGGTATGAAGTCCAGTCTGTTAAAGTGC
 CATCGCCATCTCTTCTGTTGAGATTTTGCATTCAGGAAAATATCTTATTTTTATGCCATACTGAAATA
 TACAGTGTATATCTGACAAAGCAGTTAAATGTGACAATAAAAACTTATTTAATCATGAAAAAAAAAAAAA AA

- Restriction Sites:** RsrII-NotI
- ACCN:** BC030838
- Insert Size:** 1041 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: [BC030838](#), [AAH30838](#)

RefSeq Size: 2662 bp

RefSeq ORF: 1041 bp

Locus ID: 109359

Cytogenetics: 7 F3

Gene Summary: Component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked polyubiquitin, leaving the last ubiquitin chain attached to its substrates. May act as a central scaffold protein that assembles the various components of the BRISC complex and retains them in the cytoplasm (By similarity). Plays a role in regulating the onset of apoptosis via its role in modulating 'Lys-63'-linked ubiquitination of target proteins (PubMed:21195082). Required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitinating NUMA1. Plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activities by enhancing its stability and cell surface expression (PubMed:24075985, PubMed:26344097). Down-regulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination (PubMed:24075985). Required for normal induction of p53/TP53 in response to DNA damage. Independent of the BRISC complex, promotes interaction between USP7 and p53/TP53, and thereby promotes deubiquitination of p53/TP53, preventing its degradation and resulting in increased p53/TP53-mediated transcription regulation and p53/TP53-dependent apoptosis in response to DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]