

Product datasheet for **MC212980**

Pcid2 (NM_178708) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcid2 (NM_178708) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcid2
Synonyms:	A730042J05Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC212980 representing NM_178708 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCACATCACCATTAACCAGTACCTACAGCAGGTATATGAAGCCATCGACACCAGAGATGGAGCAT
CCTGTGCAGAGCTGGTATCCTTTAAGCACCTCATGTTGCGAACCACGGCTCCAGATGGCCTCTCCAGA
AGAGAAATGCCAGCAAGTTCTGGAGCCCCATATGATGAAATGTTTGCAGCTCATTTAAGGTGTACCTAT
GCTGTGGGGAATCACGACTTCATAGAAGCGTACAAGTGCCAGACGGTGATAGTCCAATCATTCTCCGGG
CATTCCAGGCTCACAAAGAGGAAAACCTGGGCTCTGCCTGTCTATGTATGCAGTAGCACTTGACCTTCGGAT
ATTTGCCAATAATGCAGACCAGCAGTTGGTAAAGAAAGGGAAGAGCAAAGTTGGAGACATGCTGGAAAAA
GCTGCCGAGCTGCTGATGAGCTGCTCCGAGTCTGTGCCAGTGACACCCGTGCCGGCATAGAAGACTCTA
AGAAGTGGGGATGCTGTTCTGGTGAACCAGCTATTTAAAATCTACTTTAAGATCAACAAACTCCATTT
GTGTAACCTCTTATCAGAGCCATCGACAGCTCGAATCTGAAAGATGACTATAGCACAGCGCAGAGGATC
ACGTACAAGTACTACGTGGGCGCAAGGCCATGTTTGACAGTGACTTCAAGCAAGCGGAGGAGTACCTGT
CGTTTGCCTTTGAACACTGCCATCGCTCCAGCCAGAAGAACAAGAGGATGATTCTGATCTACCTGCTGCC
AGTGAAGATGCTGCTGGTCCATGCGCACCATCGAGCTCCTGAGGAAATACCACCTGATGCAGTTTTCA
GAAGTGACCAAAGCCGTAGTGAGGGCAACCTGCTGCTGCTCAATGAGGCGCTGGCAAAGCACGAGACGT
TCTTATCCGCTGTGGCATCTTCTCATCTGGAGAAGCTGAAGATCATCACGTACAGGAACCTCTTCAA
GAAAGTGTATTTGTTACTCAAGACACATCAGCTGTCCCTAGACGCCTTTCTGGTCCGCTTTGAAAGTTCATG
CACGTGGAAGACGTGGACATTGACGAGGTCCAGTGCATTCTGGCCAACTTGATATACATGGGTACATTA
AAGGCTACATCTCCATCAGCATCAGAACTGGTGTGTCAGCAAGCAGAACCCCTTCCCTCCGCTGTCCAC
AGTGTGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178708
Insert Size:	1200 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:	<ol style="list-style-type: none">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_178708.3 , NP_848823.2
RefSeq Size:	2408 bp
RefSeq ORF:	1200 bp
Locus ID:	234069
UniProt ID:	Q8BFV2
Cytogenetics:	8 A1.1
Gene Summary:	Required for B-cell survival through the regulation of the expression of cell-cycle checkpoint MAD2L1 protein during B cell differentiation (PubMed:20870947). As a component of the TREX-2 complex, involved in the export of mRNAs to the cytoplasm through the nuclear pores (By similarity). Binds and stabilizes BRCA2 and is thus involved in the control of R-loop-associated DNA damage and transcription-associated genomic instability. R-loop accumulation does not increase in PCID2-depleted cells (By similarity).[UniProtKB/Swiss-Prot Function]