

Product datasheet for MC224477

Pds5b (NM_175310) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pds5b (NM_175310) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pds5b
Synonyms:	Al646570; Aprin; AS3; AW212954; mKIAA0979; Tg(Wap-ERBB2)229Wzw; WAP-Her-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224477 representing NM_175310 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCATTCAAAGACAAGGACCAACGATGGGAAAATTACTTACCCTCCTGGAGTCAAGGAAATCTCAG
ATAAAATCTCTAAAGAGGAGATGGTGAGCGGTTAAAGATGGTTGTA AAAACTTTTCATGGACATGGACCA
GGACTCTGAAGAGGAAAAGGAACCTTTATCTAAACCTAGCTTTACATCTTGCTTCTGACTTCTTCTCAAG
CATCCTGATAAAGATGTTTCGTTTACTGGTGCTTCTGCTGCCTTGCTGATATTTTCAGGATTTATGCTCCTG
AGGCTCCTTACACGTCTCCCGATAAACTAAAGGATATATTTATGTTTATAACAAGGCAACTAAAGGGACT
AGAAGATACAAAGAGCCCTCAATTTAATAGGTATTTTTTACTTGAGAACATTGCATGGGTTAAATCA
TATAACATATGCTTTGAGTTAGAAGATAGCAATGAAATCTTTACTCAACTTTACAGAACATTATTCTCAG
TTATAAACAATGGCCACAATCAGAAAAGTTCATATGCACATGGTGGACCTCATGAGCTCTATCATTGTGA
AGGTGATACCGTATCTCAGGAGCTCTTAGATACAGTTTTAGTAACTCTGGTACCTGCCATAAGAAGCTTA
ACAAGCAAGCATATGATTTGGCAAAGGCTTTGCTGAAGAGGACTGCTCAAGCTATTGAACCATATATTA
CCAATTTTTTTAAACCAGTTCTGATGCTTGGGAAAACATCTATCAGTGATTTGCTGAGCATGCTTTTGA
TTTGATCTTGAACTCTACAACATTGACAGCCATTTGCTGCTTTCTGTTCTGCCAGCTTGAGTTTAAA
TTAAAGAGCAATGATAATGAAGAACGCCTCCAGGTTGTTAAACTACTGGCGAAAATGTTTGGGGCAAAGG
ATTCAGAATTGGCTTCTCAGAACAACCCCTCTGGCAGTCTACCTGGCAGGTTAATGATATCCATGT
ACCAATACGCCTGGAATGTGTGAAATTTGCCAGCCACTGCCTCATGAACCATCCTGATTTAGCAAAGGAT
TTAACAGAGTATCTTAAAGTGAGGTCACATGATCCTGAGGAAGCTATTAGACATGATGTTATTGTGTCTA
TAGTAACAGCTGCTAAAAGGATATTCTTCTGTCAATGATCACTTACTCAATTTTGTGAGAGAGCGAAC
ATTGGACAAACGGTGGAGAGTACGTAAGAAGCCATGATGGGACTGGCCAGATTTATAAGAAATACTCT
TTACAGTCAGCAGCTGGCAAAGATGCTGCAAAAACAGATATCCTGGGTCAAGGACAAGCTGCTGCATATAT
ACTATCAGAACAGCATCGACGACCGGCTACTTGTGAGCGGATCTTTGCTCAGTACATGGTCCCTCACAA
TTTGAAACGACGGAACGGATGAAGTGCTTGTATTACTTGTACGTACACTGGACTTGAATGCTGTGAAA
GCATTGAATGAAATGTGGAAATGTCAAATCTACTCCGACATCAAGTAAAGGATTTACTTGATTTAATTA



[View online »](#)

AACAACCAAAAACAGATGCCAGTGTCAAGGCCATATTTTCTAAAGTGATGGTTATCACAAGAAATTTGCC
 AGATCCTGGTAAGGCCAAGACTTCATGAAGAAGTTCACACAAGTGTGGAAGATGATGAGAAAATACGG
 AAACAGCTGGAAGCCCTTGTAGTCCCACATGTTCTGCAAGCAGGCTGAAGGCTGTGTGCGTGAATAA
 CTAAGAAGTTGGGCAACCCTAAGCAGCCTACAAACCCCTTCTTGGAAATGATCAAGTTTCTCTGGAGAG
 GATAGCTCCTGTACACATAGACACTGAATCCATCAGTGTCTTATCAAGCAAGTGAATAAATCAATAGAT
 GGAACAGCAGATGATGAGGATGAGGGTGTCCAAGTATCAAGCTATCAGGGCAGGCCTTGAGCTGCTGA
 AGGTGCTGCTTTTACGCACCCTATCTCCTTTCACTCTGCTGAGACGTTTGAGTCCCTTCTGGCTGTCT
 GAAGATGGATGATGAGAAGGTGGCAGAAGCTGCACTACAAATTTTCAAAAACACAGGAAGCAAAATTTGAA
 GAGGATTTCCCTCACATCAGATCAGCCTTGCTTCTGTACTACATCACAATCCAAAAAGGACCACCTC
 GGCAGGCCAAATACGCCATCCATTGTATTCATGCCATATTTTCTAGTAAAGAAACCCAGTTTGCACAGAT
 ATTTGAGCCTCTGCATAAAAGCCTAGATCCAAGCAACCTGGAGCATCTTATAACCCCTCTGGTCACTATT
 GGTTCATATTGCTCTTCTCGCACCTGATCAGTTCGCTGCTCCTCTGAAGTCTTTGGTGCAACTTTCATTG
 TGAAGGACCTCCTCATGAATGACCGGCTCCAGGAAAAAGACAACCTAAGCTTTGGGTTCCAGATGAGGA
 AGTCTCACCTGAGACAATGGTCAAAATTCAGGCTATTAATGATGGTTCGATGGCTACTTGAATGAAG
 AATAATCACAGTAAGTCAGGAACCTCCACCTCAGACTAACAACGATACTGCATAGTATGGGGATT
 TGACAGAAACAAGGAAAAATAGTAAACCAGATATGTCACGCTGAGACTTGTCTGCTGGGAGTGTATTGT
 GAAGCTGGCACAGGAGCCCTGTTACCACAGATCATTACACTGGAGCAGTACCAGCTGTGTGCATTAGCC
 ATCAATGATGAGTGTATCAAGTCAGGCAGGTGTTCTGCTCAGAACTTCAAAAGGCCCTTCCCCTTAC
 GGCTTCCCCTTGAGTACATGGCCATCTGTGCTCTTTGTGCCAAAGACCCTGTGAAAGAGAGGCGAGCCCA
 TGCTAGACAGTGTGGTGAAGAATCACTGTGAGGAGGGAGTACCTGAAGCAGCATGCAGCTGTAGT
 GAAAAATATTGTCTCTTCTACCAGAGTATGTTGTTCCATATAACAATCACCTTTTGGCAGATGACCCAG
 ATTAGTGTCAAAGTACAGGATATTGAACAACCTTAAAGATGTGAAAGAATGCCTTTGGTTTGTCTGGAGAT
 ATTTGATGGCTAAAAATGAAAACAACAGCCATGCATTTATCAGAAAAATGGTAGAAAAATTAACACAGACA
 AAAGATGCTCAAGGACCAGATGATACAAAAATGAATGAAAAATGTACACCGTGTGTGATGTTGCCATGA
 ACATCATCATGTCCAAGAGCACCACGTACAGCCTGGAGTCTCCTAAGGACCCCGTGTGCCAGCTCGGTT
 TTTCAACCAGCCTGACAAGAATTTAGTAAACCAAAAAATACCTGCCTCCAGAAATGAAATCATTTTTTC
 ACTCCTGGAAAACCTAAAAACAGCCAATGTTCTCGGAGCAGTTAATAAGCCACTTTCATCAGCAGGCAAAAC
 AGTCTCAGACCAATCATCAAGAATGGAACTGTGAGCAACGCAAGCAGCAGCTCCAACCCAAGCTCTCC
 TGGAAAGGATCAAGGGGAGGCTTGATAGCTCTGAAATGGATCACAGTGAAGATGAAGATTACAATGTCT
 TCACCTTTGCCAGGAAAAAAGTGACAAGAGAGAAGACCCTGATCTTTCTGAGTTGGAGAAGCCTAGAA
 GTCGGAAAAAAGCACCTGTCACAGACCCTGAAGAGAAATTAGGTATGGATGACCTAACTAAGTTGGTACA
 GGAACAGAAACCTAAAGGCAAGTACAGCAGGCGGAAAAAGAGGCCGTACAGCTTCAGACTCAGACGAGCAG
 CAGTGGCCTGAGGAGAAGAGGCACAAAGAGGAGCTCCTGGAAAAATGAGGATGAGCAGAACAGCCACCAA
 AAAAGGGCAAAAGAGGCAGGCCACCAAAACCTCTTGGTGGGGGACATCGAAGGAAGAGCCACAAATGAA
 AACATCCAAGAAAGGAAACAAGAAAAAATGTTACCTCCTGTAGTAGACGACGATGAAGAAGAAAGAA
 CAAATTGGAAACACAGAACATAAGTCAAAAAGCAACAGCACCACATCAAAGAGACACAACAGAGAG
 CAGAATCTCTGAAACAAGTGCAGTTGAATCCACACAGTCCACACCACAGAAAGGACGAGGAAGACCATC
 AAAAGCACCATCACCATCACAAACCCCAAAAAATCCGTGTAGGACGCTCCAAACAGGTAGCCACTAAA
 GAAAACGATTCAAGTGAAGAAATGGATGTGCTTACAGCCAGCTCCTGTGATGACGACTACACAGG
 AAGGAGCAGAAGAGGAGGACATTTCTGTGGAAATGTACGACGGGAAGCTCCAAACGAGAGACGATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175310
Insert Size: 4341 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:	<u>NM_175310.6, NP_780519.3</u>
RefSeq Size:	7311 bp
RefSeq ORF:	4341 bp
Locus ID:	100710
UniProt ID:	<u>Q4VA53</u>
Cytogenetics:	5 G3
Gene Summary:	Regulator of sister chromatid cohesion in mitosis which may stabilize cohesin complex association with chromatin. May couple sister chromatid cohesion during mitosis to DNA replication. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Plays a role in androgen-induced proliferative arrest in prostate cells (By similarity).[UniProtKB/Swiss-Prot Function]