

Product datasheet for **SC112063**

PALB2 (NM_024675) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PALB2 (NM_024675) Human Untagged Clone
Tag:	Tag Free
Symbol:	PALB2
Synonyms:	FANCN; PNCA3
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024675, the custom clone sequence may differ by one or more nucleotides

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ATGGACGAGCCTCCCGGAAGCCCTCAGCTGTGAGGAGAAGGAAAAGTTAAAGGAGAAATTAGCATTCT
TGAAAAGGGAATACAGCAAGACACTAGCCCGCCTTCAGCGTGCCCAAAGAGCTGAAAAGATTAAGCATTCT
TATTAAGAAAACAGTAGAAGAACAAGATTGTTTGTCTCAGCAGGATCTCTCACCGCAGCTAAAACACTCA
GAACCTAAAAATAAAAATATGTGTTTATGACAAGTTACACATCAAAACCCATCTTGATGAAGAACTGGAG
AAAAGACATCTATCACACTTGATGTTGGCCTGAGTCCTTAAACCTGGAGATGGCCAGGAGGATTACC
TATACAAAGAACAGATGACACCCAAGAACATTTCCCCACAGGGTCAGTGACCCTAGTGGTGAGCAAAAAG
CAGAAGCTGCCAAGCAGAAGAAAGAAGCAGCAGAAGAGGACATTTATTTACAGGAGAGAGACTGTGTCT
TTGGCACTGATCACTCAGATTGTCTGGGAAAAGACTAAAGGAACAGGAAGAAATCAGTAGCAAAAATCC
TGCTAGATCACCGTAACCTGAAATAAGAACTCACCTTTAAGTCTTAAATCTGAACCTCCAGATTCTCCA
GAACCAAGTTACAGAAATTAATGAAGACAGTGTATTAATCCCAACTGCCCAACCAGAAAAAGGTGTTG
ATACATTCCTAAGAAGACCTAATTTACCAGGGCGACTACAGTTCCTTTACAGACTCTATCAGATAGCGG
TAGTAGTCAGCACCTTGAACACATTCCTCCTAAAGGTAGCAGTGAACCTACTACTCACGACCTAAAAAC
ATTAGATTTACTTCACCTGTAAGTTTGGAGGCACAAGGCAAAAAAATGACTGTCTCTACAGATAACCTCC
TTGTAATAAAGCTATAAGTAAAAGTGGCCAAGTCCCAAGTTCTAATTTAGAGGCAAAATATTTTCATG
TTCTCTAAATGAACTCACCTACAATAACTTACCAGCAAATGAAAACAAAACCTAAAAAGAACAAAATCAA
ACAGAGAAATCTTTAAATCTCCAGTGACACTCTTGATGGCAGGAATGAAAATCTTCAGGAAAAGTGAGA
TTCTAAGTCAACCTAAGAGTCTTAGCCTGGAAGCAACCTCTCCTCTTTCTGCAGAAAAACATTCTTGAC
AGTGCCTGAAGGCCTTCTGTTTCTGCAGAATATTATGTTAGAACAACACGAAGCATGTCCAATTGCCAG
AGGAAAGTAGCCGTGGAGGCTGTCAATTCAGAGTCAATTTGGATGTCAAGAAAAAAGGGTTTAAAAATAAAA
ATAAGGATGCAAGTAAAAATTTAAACCTTTCCAATGAGGAACTGACCAAAGTGAATTAGGATGTCTGG
CACATGCACAGGACAACCAAGTCAAGAACCTCTCAGAACTTCTCTCATTAACATAAGTCAGCTCTCCC
GCTGGGCCCACTGAAGATAATGACTTGTCTAGGAAGGCAGTTGCCAAGCACCTGGTAGAAGATACACAG
GAAAAAGAAAATCAGCCTGCACCCAGCATCAGATCATTGTGAACCACTTTTGCCAACTTCTAGCCTGTC
GATTGTTAACAGGTCCAAGGAAGAAGTCACCTCACACAAATATCAGCAGCAAAAATTTATTATTCAAGTG
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AAAGGGAAGAAAAGTCGTCATCAAAAAGAGGATTCCCTTTCTTGGAGTAATAGTGCTTATTTATCCTTGG
ATGATGATGCTTTCACGGCTCCATTTTCATAGGGATGGAATGCTGAGTTTAAAGCAACTACTGTCTTTTCT
CAGTATCACAGACTTTTACGTTACCTGATGAAGACTTTGGACCTTAAAGCTTGAAAAAGTGAAGTCCTGC
TCAGAAAAACCAGTGGAGCCCTTTGAGTCAAAAATGTTTGGAGAGAGACATCTTAAAGAGGGAAGCTGTA
TTTTCCAGAGGAACTGAGTCTAAACGCATGGATACAGAAATGGAGGACTTGAAGAGGACCTTATTGT
TCTACCAGGAAAAATCACATCCCAAAAGGCCAACTCGCAAAGCCAGCATACAAAGACGGGCCTTTCTTCA
TCCATATTACTTTATACTCTTTAAATACGGTTGCGCCTGATGATAATGACAGGCCTACCACAGACATGT
GTTACCTGCTTTCCCCATCTTAGGTACTACTCCAGCCTTTGGCCCTCAAGGCTCTATGAAAAAGCATC
TACAGAAGTTGCTGGACGAACCTTGTGACACCCCAACTTGTCTATTTGAAAGACTCAGTCTGTCTTGGC
AGTGATACTAAACAATTCGACAGTTCAGGCAGCCAGCAAAACCACATACCACCCTGCAAGTGTGAGGCA
GGCAAGGACAACCTACCTGTGACTGTGACTCTGTCCCGCCAGGAACACCTCCACCATTGAGTCATTAC
TTTTAAAGAAAATCAGCTCTGTAGAAACACATGCCAGGAGCTGCATAAACATTCCGTGGAACAGACTGAA
ACAGCAGAGCTTCTGCTTCTGATAGCATAAACCCAGGCAACCTACAATTGGTTTCAGAGTTAAAGAATC
CTTCAGGTTCTGTTCCGTAGATGTGAGTGCCATGTTTTGGGAAAGAGCCGTTGTAAGAGCCATGTAT
CATAACTGCTTGGGAAGATGTAGTTTCTTTGGAAAGCTCTGGATGCTTGGCAGTGGGAAAAAATTTAT
ACCTGGCACTTCGAGAGGTTCCAGTATTACAGATAGTTCCAGTGCCTGATGTGATAATCTCGTGTGTG
TAGCTTTGGGAAATTTGGAAATCAGAGAGATCAGGGCATTGTTTTGTTCTCTGATGATGAAAGTAAAA
GCAAGTACTACTGAAGTCTGAAATATAAAAGCTGTGCTTGGCCTGACAAAGAGGAGGCTAGTTAGTAGC
AGTGGGACCCCTTCTGATCAACAAGTAGAAGTCATGACGTTTGCAGAAGATGGAGGAGGCAAGAAAAACC
AATTTTTGATGCCCCCTGAGGAGACTATACTAACTTTTGTGAGGTCCAAGGGATGCAAGAAGCTCTGCT
TGGTACTACTATTATGAACAACATTGTTATTTGGAATTTAAAACTGGTCAACTCCTGAAAAAGATGCAC
ATTGATGATTTTACCAAGCTTCACTGTGCACAAAGCCTATTCTGAAATGGGGCTTCTCTTTATTGTCC
TGAGTCATCCCTGTGCCAAAGAGAGTGTGCTGCGAAGCCCTGTGTTTCAGCTCATTTGATTTAAACCC
TAAGACGACTCTCAGCGTGGGTGTGATGCTGTACTGTCTTCTCCAGGGCAGGCTGGCAGGTTCCCTGAA
GGTGACGTGAAAGATCACTGTGACAGCAATCTTACTTCTGGAACAATTGCCATTTGGGACTTACTTC
TCGGTCAGTGTACTGCCCTCTCCACCTGTCTCTGACCAACATTGGTCTTTTGTGAAATGGTCGGGTAC
AGACTCTCATTGCTGGCTGGACAAAAAGATGGAATATATTTGTATACCACTATTTCATAA
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**5' Read Nucleotide
Sequence:**

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>OriGene 5' read for NM_024675 unedited
TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGGACGAGGATTATGTTAGAACAAC
ACGAAGCATGTCCAATTGCCAGAGGAAAGTAGCCGTGGAGGCTGTCATTAGAGTCATTT
GGATGTCAAGAAAAAGGGTTTAAAAATAAAAAAAGGATGCAAGTAAAAATTTAAACCT
TTCCAATGAGGAAACTGACCAAAAGTAAATAGGATGTCTGGCACATGCACAGGACAACC
AAGTTCAAGAACCTCTCAGAACTTCTCTCATTAACTAAAGTCAGCTCTCCCGCTGGGCC
CACTGAAGATAATGACTTGTCTAGGAAGGCAGTTGCCAAGCACCTGGTAGAAGATACAC
AGGAAAAAGAAAATCAGCCTGCACCCAGCATCAGATCATTGTGAACCACTTTTGCCAAC
TTCTAGCCTGTGATTGTTAACAGGTCCAAGGAAGAAGTACCTCACACAAATATCAGCA
CGAAAAATTTATTCAAGTGAAGGGAAAGAAAAGTCGCATCAAAAAGAGGATTCCCT
TTCTTGGAGTAATAGTGCTTATTTATCCTTGGATGATGATGCTTTCACGGCTCCATTTCA
TAGGGATGGAATGCTGAGTTTAAAGCAACTACTGTCTTTTCTCAGTATCACAGACTTTCA
GTTACCTGATGAAGACTNTGNACCTCTNTAGCTTGAAAAAGTGTGAGTACTGCTCAAANAAC
CAGTGGAGCCCTTTGAGTCAAAAATGTTTGGAGAGAGACATCTTAAAGAGGGAAGCTGTA
TTTTTCAGAGGAACTGAGTNCCTAACGCATGGATACAGAAATGGNAGACTTANNAGAGAC
CTTATGNTCTACCAGAAAATCACATNCCAAAGGNCCAACTCGCAAACCAGCTACAAGNA
CGGCCTTNNCTCATNCATATACTTT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024675 unedited TTTTAGCTCTGNNACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGAAT GTATAAAAATAAATATTTATTGCCATTTGAAGCTTTATGTACACCTTTAAAAGCACATGT ACAAATGTGGGAAATTACAAAAATCAACCTAAAACCTTTTTCTCAAAGTATACATAAAT GTACATCCAAGATCAGTGGTGTACCATCATTAGAATAAAAAATAAGTCTGTCTGGACAT AAACAAGCAATCATTTAAGTGTCAATTCAGATATTCTCCTTTATATTTAAAACTCCAAAA AATACTAAGAGGCCCAATATATCCAGAAAATTGTGTTTTCACTTTACCCTAACTTATGAA TAGTGGTATACAAATATATTTCCATCTTTTTGTCCAGCCAGCAAATGAGAGTCTGTACCC GACCATTTACAAAAGACCAATGTTGGTCAGAGACAGGTGGGAGGAGGGCAGTACACTGA CCGAGAAGTAAGTCCCAATGGCAATTGTTCCAGAAGTCAAGATTGCTGCTGCACAGTGA TCTTTACGTACCTTCAGGAACCTGCCAGCCTGCCCTGGAGGAAGACAGTACAGCATC ACACCCACGCTGAGAGTCGTCTTAGGGTTAATCACAATGAGCTGAAACACAGGGCTTCGC AACGACTCACTCTTTTGGCACAGGGATGACTCAGGACAATAAAGAGAAGCCCCATTTCA GAATANGCTTTGTGACAGACTGAAGCTTGGTAAGAATCATCAATGTGCATCTTTTTCANN GAGTGACCAGTTNTTAAATCCAATAACAATGTTGTTTCATAATAGTAGTACCAAGCAGAG CTTCTTGCATCCCTTGGACCTCAGCAAAAAGTAGTATAGTCTCCTCAGGGGGCATCAAAA ATGNNTTCTTTGCTNCTCCATCTTCTGAAACGTATGACTTCTATTGTTGATCAGAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_024675
Insert Size:	2740 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).
RefSeq:	NM_024675.1 , NP_078951.1
RefSeq Size:	4069 bp
RefSeq ORF:	1773 bp
Locus ID:	79728
UniProt ID:	Q86YC2
Gene Summary:	This gene encodes a protein that may function in tumor suppression. This protein binds to and colocalizes with the breast cancer 2 early onset protein (BRCA2) in nuclear foci and likely permits the stable intranuclear localization and accumulation of BRCA2. [provided by RefSeq, Jul 2008]