

Product datasheet for SC322638

PALB2 (NM_024675) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | PALB2 (NM_024675) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PALB2 |
| Synonyms: | FANCN; PNCA3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for SC322638
 CTGAGGGTGCGATCCCGGGCTCCCCATTCTTCTGGGGCGCCTCCCGGCCAGGGCCA
 ACTGGGTCCCCTGGTTCGGCAGGCTGGGGTCGGCGACGGCTGCTTTTTGTTCTGTCGC
 CTGCCCGATGGACGAGCCTCCCGGAAGCCCTCAGCTGTGAGGAGAAGGAAAAGTTAAA
 GGAGAAATTAGCATTCTTGAAGGGAATACAGCAAGACACTAGCCCGCCTTCAGCGTGC
 CCAAAGAGCTGAAAAGATTAAGCATTCTATTAAGAAAACAGTAGAAGAACAAGATTGTTT
 GTCTCAGCAGGATCTCTCACCAGCTAAAACACTCAGAACCTAAAAATAAAATATGTGT
 TTATGACAAGTTACACATCAAACCCATCTTGATGAAGAACTGGAGAAAAGACATCTAT
 CACACTTGATGTTGGGCTGAGTCTTTAACCTGGAGATGGCCAGGAGGATTACCTAT
 ACAAGAAGCAGATGACACCCAAGAACATTTTCCCACAGGGTCAGTGACCCTAGTGGTGA
 GCAAAAGCAGAAGCTGCCAAGCAGAAGAAGAAGCAGCAGAAGAGGACATTTATTTACA
 GGAGAGAGACTGTGCTTTGGCACTGATCACTCAGATTGTCTGGGAAAAGACTAAAGGA
 ACAGGAAGAAATCAGTAGCAAAAATCCTGCTAGATCACCAGTAACTGAAATAAGAACTCA
 CCTTTAAGTCTTAAATCTGAACTTCCAGATTCTCCAGAACCAGTTACAGAAATTAATGA
 AGACAGTGTATTAATCCACCAACTGCCAACCAGAAAAGGTGTTGATACATTCCTAAG
 AAGACCTAATTTACCAGGGCGACTACAGTTCCTTTACAGACTCTATCAGATAGCGGTAG
 TAGTCAGCACCTTGAACACATTCCTCCTAAAGGTAGCAGTGAACCTACTACTCAGCCT
 AAAAAACATTAGATTTACTTACCTGTAAGTTTGGAGGCACAAGGCAAAAAATGACTGT
 CTCTACAGATAACCTCCTTGTAAATAAAGCTATAAGTAAAAGTGGCAACTGCCACAAG
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 AGCAAAATGAAAACCAAACTTAAAAGAACAATAAACAAGAGAAATCTTTAAAATCTCC
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 TAAGAGTCTTAGCCTGGAAGCAACCTCTCCTCTTCTGCAGAAAAACATTCTGCACAGT
 GCCTGAAGGCCTTCTGTTTCTGCAGAATATTATGTTAGAACAACACGAAGCATGTCCAA
 TTGCCAGAGGAAAGTAGCCGTGGAGGCTGTCATTGAGATCATTGGATGTCAAGAAAAA
 AGGGTTTTAAAAATAAAAAAAGGATGCAAGTAAAAATTTAAACCTTTCCAATGAGGAAAC
 TGACCAAAGTGAATTAGGATGTCTGGCACATGCACAGGACAACCAAGTCAAGAACCTC



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TCAGAACTTCTCTCATTAACTAAAGTCAGCTCTCCCGCTGGGCCACTGAAGATAATGA
 CTTGTCTAGGAAGGCAGTTGCCAAGCACCTGGTAGAAGATACACAGGAAAAAGAAAATC
 AGCCTGCACCCAGCATCAGATCATTGTGAACCACTTTTGCCAACCTTAGCCTGTGAT
 TGTTAACAGGTCCAAGGAAGAAGTCACCTCACACAAATATCAGCACGAAAAATTATTTAT
 TCAAGTGAAAGGGAAGAAAAGTCGTCATCAAAAAGAGGATTCCCTTTCTGGAGTAATAG
 TGCTTATTTATCCTTGGATGATGATGCTTTCACGGCTCCATTTTCATAGGGATGGAATGCT
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 CTTTGGACCTCTTAAGCTTGAAAAAGTGAAGTCCTGCTCAGAAAAACCAGTGGAGCCCTT
 TGAGTCAAAAATGTTTGGAGAGAGACATCTTAAAGAGGGAAGCTGTATTTTTCCAGAGGA
 ACTGAGTCCTAAACGCATGGATACAGAAATGGAGGACTTAGAAGAGGACCTTATTGTTCT
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 TTCTTCATCCATATTACTTTATACTCCTTTAAATACGGTTGCGCCTGATGATAATGACAG
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 CCCTCAAGGCTCCTATGAAAAAGCATCTACAGAAGTTGCTGGACGAACTTGTGCACACC
 CCAACTTGCTCATTGAAAGACTCAGTCTGTCTTGCCAGTGATACTAAACAATTCGACAG
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 TACCTGTGACTGTGACTCTGTCCCGCCAGGAACACCTCCACCCATTGAGTCATTCACTTT
 TAAAGAAAATCAGCTCTGTAGAAACACATGCCAGGAGTGCATAAACATTCGGTCGAACA
 GACTGAAACAGCAGAGCTTCTGCTTCTGATAGCATAAACCCAGGCAACCTACAATTGGT
 TTCAGAGTTAAAGAAATCCTTCAGGTTCCGTGTTCCGTAGATGTGAGTGCCATGTTTTGGGA
 AAGAGCCGGTTGTAAGAGCCATGTATCATAACTGCTTGCGAAGATGTAGTTTCTCTTTG
 GAAAGCTCTGGATGCTTGGCAGTGGGAAAACTTTATACCTGGCACTTCGACAGAGTTCC
 AGTATTACAGATAGTCCAGTGCCTGATGTGATAATCTCGTGTGTAGCTTTGGGAAA
 TTTGGAAATCAGAGAGATCAGGGCATTGTTTTGTTCTCTGATGATGAAAGTGAAGAACGA
 AGTACTACTGAAGTCTGGAAATATAAAAGCTGTGCTTGGCCTGACAAAGAGGAGGCTAGT
 TAGTAGCAGTGGGACCCTTTCTGATCAACAAGTAGAAGTCATGACGTTTGCAGAAGATGG
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 GGTCCAAGGGATGCAAGAAGCTCTGCTTGGTACTACTATTATGAACAACATTGTTATTTG
 GAATTTAAAAACTGGTCAACTCCTGAAAAAGATGCACATTGATGATTCTACCAAGCTTC
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 GACGACTCTCAGCGTGGGTGTGATGCTGTACTGTCTTCCAGGCAGGCTGGCAGGTT
 CCTGGAAGGTGACGTGAAAGATCACTGTGCAGCAGCAATCTTGACTTCTGGAACAATTGC
 CATTTGGGACTTACTTCTCGTCACTGACTGCCCTCCTCCACCTGTCTCTGACCAACA
 TTGGTCTTTTGTGAAATGGTCGGGTACAGACTCTCATTGCTGGCTGGACAAAAAGATGG
 AAATATATTTGTATACCACTATTCATAAGTTAGGGTAAAGTGAAGGAGAAATATCTGAATGAC
 ACTTAAAAATGATTGCTTGTATGTCCAGACAGACTTATTTTTATTCTAATGATGGTAG
 CACCACTGATCTTGGATGTACATTTATGTATACTTTGAGAAAAAGGGTTTTAGGTTGATT
 TTTGTAATTTCCACATTTGTACATGTGCTTTTAAAGGTGTACATAAAGCTTCAAATGGC
 AATAAATATTTATTTTTATAA
 AA
 AAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_024675

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).

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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_024675.3</u> , <u>NP_078951.2</u> |
| RefSeq Size: | 4069 bp |
| RefSeq ORF: | 3561 bp |
| Locus ID: | 79728 |
| UniProt ID: | <u>Q86YC2</u> |
| Cytogenetics: | 16p12.2 |
| 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] |