

Product datasheet for **SC327699**

Palladin (PALLD) (NM_001166108) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Palladin (PALLD) (NM_001166108) Human Untagged Clone
Tag: Tag Free
Symbol: Palladin
Synonyms: CGI-151; CGI151; MYN; PNCA1; SIH002
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001166108 edited
 ATGTCAGGGACCTCCTCCATGAGTCTTCTATGACTCCCTCTCAGACATGCAGGAAGAA
 AGCAAGAATACTGACTTCTTCCCGGGCCTTTCTGCTTTCTCAGCCAGGAAGAGATAAAC
 AAGAGTCTTGACCTGGCCCGGAGAGCCATAGCCGACTCCGAAACAGAAGATTTTGACTCG
 GAAAAGGAGATCTCGCAGATTTTCAGTACTTCTCTGCAAGCCTCTGTGAACATCCTTCC
 CATAAGGAGACCAAATTGGGTGAACACGCCTCGAGGAGACCTCAGGATAACAGGTCAACA
 CCTGTCCAGCCTCTGGCAGAGAAACAACTAAGAGTATCTTCCACCTGTTTCAAAGAGG
 AAACCTGCCATGTCACCCCTGCTCACCAGGCCAGCTACATCCGGAGCCTCCGAAAGGCT
 GAAAAGCGTGGTCAAAAACCTCCAGCACAAACGTAAGCCCAAAACGCCACATCAAAGA
 AAGGGTGGCCCCAGAGCCAGCTGTGTGACAAGGCAGCTAATTTAATTGAGGAGCTAACA
 TCCATATTTAAAGCCGCAAGCCAAGAAACAGAAGCCCAATGGGGAGTCTCGTCACCA
 GACAGTGGGTACCTGTCTCCTAAAAATCAGCCGTAGCCCTGCTGAGTGCCTCAGCCAGC
 CAGAGCCCTATGGAAGACCAAGGGGAGATGAAAAGAGAGGTCAAGTCCCCTGGGGCCAGG
 CATTGCTACCAGGACAACCAGGACTTGGCAGTGCCACACAACCGCAAGTCTCACCCACAG
 CCCACAGCGCCCTCCACTTCCCAGCTGCACCTCGATTCAAAAAGCTGAGGAGCCAA
 GAAGTAGCAGAAGGGAGCCGAGTTTATCTGGAGTGTAGAGTCACTGGAACCCCACTCCT
 CGAGTCAGATGGTTCTGTGAAGGAAAGAACTGCACAACACTCCTGATATTCAAATCCAC
 TGTGAGGGAGGGGACCTCCATACCCTGATCATAGCAGAGGCCCTTTGAGGACGACACAGGT
 CGCTACACCTGTTTGGCTACGAATCCCAGCGGCTCAGACACAACATCTGCTGAGGTGTT
 ATTTAAGGTGCCAGTTCAACAGATTCTGACAGTGAAGTTTAGCTTTCAAATCAAGAGCT
 GGAGCTATGCCACAAGCTCAAAAAGAAAACAACCTCTGTTTCCCTTGACAATAGGATCATCA
 TCTCAAAGACAGGGGTGACCACAGCTGTGATTCAACCACTGTCTGTCCCTGTGCAACAG
 GTTCACAGTCCAACCTTCAATCTCTGCCGACCTGATGGAACCACTACTGCCTACTTTCCT
 CCTGTTTTTCAAAGGAACCTGCAAAACACAGCCGTGGCGGAAGGCCAGGTGGTGGTTCTG
 GAGTGCCGGGTCCGTGGGGCACCCCTCTGCAGGTCCAGTGGTTTCGGCAAGGGAGTGAA
 ATCCAAGACTCTCCAGATTTCCGAATTCTACAGAAAAACCTAGATCTACAGCTGAACCT
 GAGGAGATTTGCACCCTAGTTATCGCTGAGACTTCCCTGAAGATGCAGGGATCTTTACA



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TGTT CAGCAAGAAATGATTATGGATCAGCAACCAGCACTGCCAGCTGGTTGTCACCTCA
 GCCAACTGAAAAGTGTAGTTACGAGTCAATGGGAGAATCCAACAATGACCACTTCCAA
 CACTTCCACCTCCCCTCCAATCTTGGAGACAAGTTCTTGGAGTTGGCTTCAAAGAAA
 CCATCTGAGATCCAGCAGGTGAACAACCTGAGTTAGGCTGAGCAGGGCAGCCCTTCAA
 ATGCAATTCATGCTGCTGAGAGGAAACGAACGGAGTCCATCCCAGCCGTGGAGTAAAT
 GGACTGATTAACGGCAAAGCTAACAGTAATAAATCTCTTCCAACACCAGCTGCTGCTT
 TCACCCATAAGGAGCCACCACCTCTGCTTGCCAAACCAAACTAGGATTTCCAAAGAAG
 GCCAGTAGAACTGCTAGAATAGCCTCCGATGAGGAAATTC AAGGCACAAAGGATGCTGTT
 ATCAAGACCTGGAACGAAAACCTCGCTTCAAGGAGGACCTCTGAACAATGGCCAGCCG
 AGGTAAACATACGAAGAAAGAATGGCTCGTCTGACTGCTAGGTGCTGACAGTGCAACTGTC
 TTTAATATTCAGGAGCCAGAAGAGGAAACAGCTAATCAGGACATTGGTTCTCCTCATGCT
 TCTGTAGGGAGTCTCTGGATGGTCAAAGGAATACAAAGTCTCCAGCTGTGAACAGAGA
 CTCATCAGTGAATAGAGTACAGGCTAGAAAGTCTCCTGTGGATGAATCAGGTGATGAA
 GTTCAGTATGGAGATGTGCTGTGGAAAATGGAATGGCACCATTCTTTGAGATGAAGCTG
 AAACATTACAAGATCTTTGAGGGAAATGCCAGTAACTTTACATGTAGAGTGGCTGGAAT
 CCAAAGCCAAAGATCTATTGGTTTAAAGATGGGAAGCAGATCTCTCCAAAGAGTGATCAC
 TACACCATTCAAAGAGATCTCGATGGGACCTGCTCCCTCCATACCACAGCTCCACCCTA
 GATGATGATGGGAATTATACAATTATGGCTGCAAACCCTCAGGGCCGCATCAGTTGTA
 GGACGGCTAATGGTACAGGCTGTCAACCAAGAGGTGCAAGTCCCCTGCTCCCTCAGGC
 CATCCTCATGTGAGAAGGCTCGTTCTAGATCAAGGGACAGTGGAGACGAAAAATGAACCA
 ATTCAGGAGCGATTCTTCAGACCTCACTTCTTGCAGGCTCCTGGAGATCTGACTGTTCAA
 GAAGGAAAACCTGCAGAATGGACTGCAAAGTCAAGTGGGTTACCAACCCAGATCAAGC
 TGGCAACTAGATGGAAAGCCCGTACGCCCTGACAGTGTGCTCACAAGATGCTGGTGGCTGAG
 AACGGGTGCACTCTGATCATAGAGCCAGTCAAGTCAAGTGTGCGGATGATGCGGATCTACACA
 TGTATAGTACCAACCGAGCAGGACAGAACTCATTAGCCTGGAGCTTGTGGTTGCTGCT
 AAAGAAGCACACAAACCCCTGTGTTTATTGAGAAGCTCCAAAACACAGGAGTTGCTGAT
 GGGTACCCAGTGCAGGCTGGAATGTCGTGATTGGGAGTGCCACCACCTCAGATATTTGG
 AAGAAAGAAAATGAATCACTCACTCACAGCACTGACCGAGTGAGCATGCACCAGGACAAC
 CACGGCTACATCTGCCTGCTCATTAGGGAGCCACAAAAGAAGATGCTGGGTGGTATACT
 GTGTCAGCCAAGAATGAAGCAGGATTGTGCTGCTGACTGCCAGGCTGGACGTTTACATT
 TCTCGACATTAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001166108
- Insert Size:** 3400 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).
- 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:

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_001166108.1](#), [NP_001159580.1](#)

RefSeq Size: 5870 bp

RefSeq ORF: 3372 bp

Locus ID: 23022

UniProt ID: [Q8WX93](#)

Cytogenetics: 4q32.3

Gene Summary: This gene encodes a cytoskeletal protein that is required for organizing the actin cytoskeleton. The protein is a component of actin-containing microfilaments, and it is involved in the control of cell shape, adhesion, and contraction. Polymorphisms in this gene are associated with a susceptibility to pancreatic cancer type 1, and also with a risk for myocardial infarction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).