

Product datasheet for **SC327214**

Palladin (PALLD) (NM_001166109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Palladin (PALLD) (NM_001166109) Human Untagged Clone
Tag:	Tag Free
Symbol:	PALLD
Synonyms:	CGI-151; CGI151; MYN; PNCA1; SIH002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



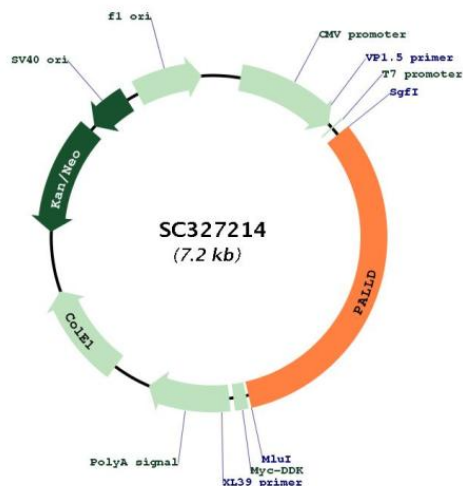
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Fully Sequenced ORF: >SC327214 representing NM_001166109.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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TGCCGACCTGATGGAACCACTACTGCCTACTTTCTCCTGTTTTTACAAAGGAACGCAAAAACACAGCC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001166109

Insert Size: 2334 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_001166109.1](#)

RefSeq Size: 4938 bp

RefSeq ORF: 2334 bp

Locus ID: 23022

UniProt ID: [Q8WX93](#)

Cytogenetics: 4q32.3

MW: 85.9 kDa

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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, uses a downstream translational start codon, lacks an alternate in-frame exon in the central coding region, and lacks an exon in the 3' coding region that results in a frameshift, compared to variant 1. The encoded isoform (3) is shorter at the N-terminus and has a distinct C-terminus, compared to isoform 1.