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Product datasheet for RG212065

Palladin (PALLD) (NM_016081) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Palladin (PALLD) (NM_016081) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PALLD
Synonyms:	CGI-151; CGI151; MYN; PNCA1; SIH002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG212065 representing NM_016081
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGGGACCTCCTCCCATGAGTCCTTCTATGACTCCCTCTCAGACATGCAGGAAGAAAGCAAGAATA
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CAGAAAAAACCTAGATCTACAGCTGAACCTGAGGAGATTTGCACCCTAGTTATCGCTGAGACTTTCCCTG
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CAGGCTGGACGTTTACATTTCTCGACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212065 representing NM_016081
Red=Cloning site Green=Tags(s)

MSGTSSHESFYDSLSDMQEESKNTDFFPGLSAFLSQEEINKSLDLARRAIADSETEDFDSEKEISQIFST
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STLDDDGNYTIMAANPQGRISCTGRLMVQAVNQRGRSPRSPSGHPHVRRPRSRSRDSGDENEPIQERFFR
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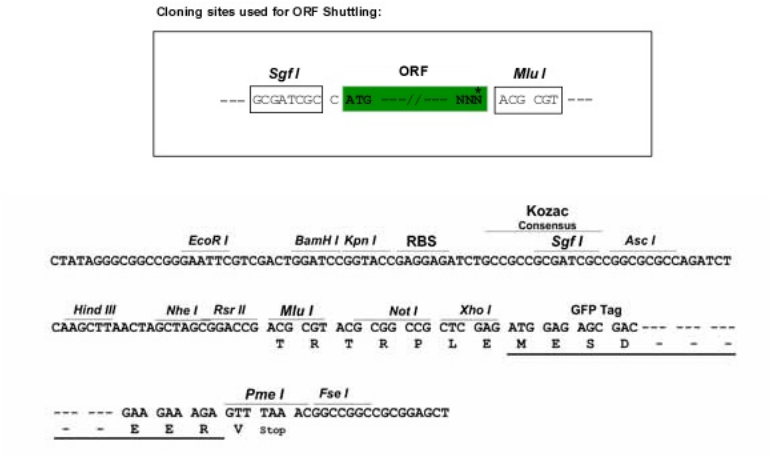
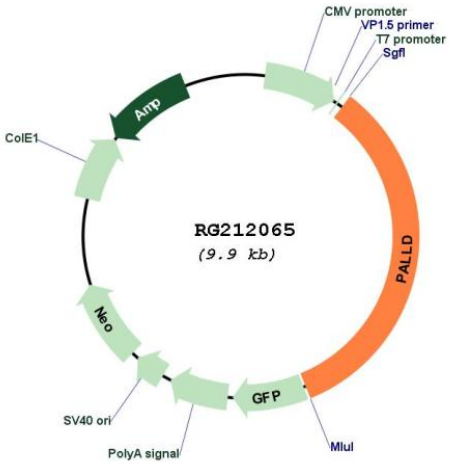
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_016081

ORF Size: 3318 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_016081.4
RefSeq Size:	5809 bp
RefSeq ORF:	3321 bp
Locus ID:	23022
UniProt ID:	Q8WX93
Cytogenetics:	4q32.3
Domains:	ig, IGc2, IG
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]