

## Product datasheet for **RC200058**

### PDAP1 (NM\_014891) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PDAP1 (NM_014891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDAP1
Synonyms:	HASPP28; PAP; PAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200058 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTAAAGGAGGAAGAAAGGGAGGCCACAAAGGCCGGGCGAGGCAGTATACAAGCCCTGAGGAGATCG  
ACGCGCAGCTGCAGGCTGAGAAGCAGAAGGCCAGGGAAGAAGAGGAGCAAAAAGAAGGTGGAGATGGGGC  
TGCAGGTGACCCAAAAAGGAGAAGAAATCTCTAGACTCAGATGAGAGTGAGGATGAAGAAGATGACTAC  
CAGCAAAAGCGCAAAGGCGTTGAAGGGCTCATCGACATCGAGAACCCCAACCGGGTGGCACAGACAACCA  
AAAAGGTCACACAACCTGGATCTGGACGGGCCAAAGGAGCTTTCGAGGAGAGAACGAGAAGAGATTGAGAA  
GCAGAAGGCAAAAGAGCGTTACATGAAAATGCACTTGGCCGGGAAGACAGAGCAAGCCAAGGCTGACCTG  
GCCCGGTGGCCATCATCCGGAACAGCGGGAGGAGGCTGCCCGGAAGAAGGAAGAGGAAAGGAAAGCAA  
AAGACGATGCCACATTGTGAGGAAAACGAATGCAGTCACTCTCCCTGAATAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC200058 protein sequence Red=Cloning site Green=Tags(s)
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MPKGGRKGHKGRRARQYTSPEEIDAQLQAEKQKAREEEQKEGGDGAAGDPKKEKSLDSEDEDEDDY  
QQKRKGVEGLIDIENPNRVAQTTKVTLQDLDPKELSRREERIEKQKAKERYMKMHLAGKTEQAKADL  
ARLAIIRKQREEAARKKEERKAKDDATLSGKRMQSLSLNK

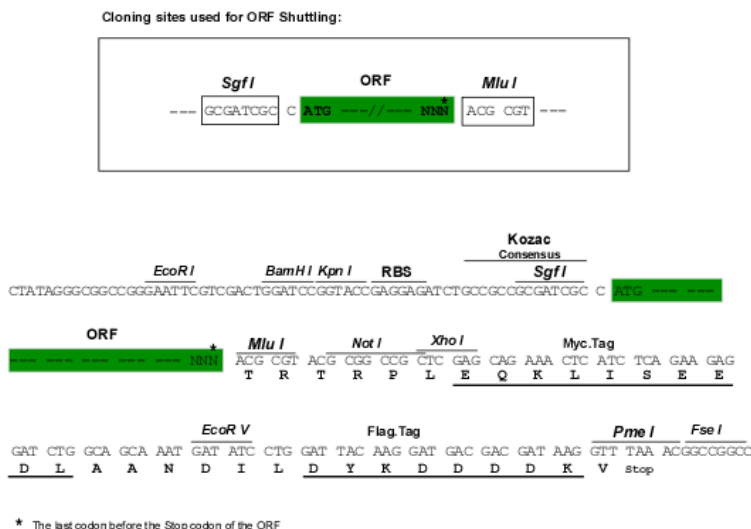
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/mk6128_a12.zip">https://cdn.origene.com/chromatograms/mk6128_a12.zip</a>
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Restriction Sites: Sgfl-MluI

### Cloning Scheme:



ACCN: NM 014891

ORF Size: 543 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM 014891.7

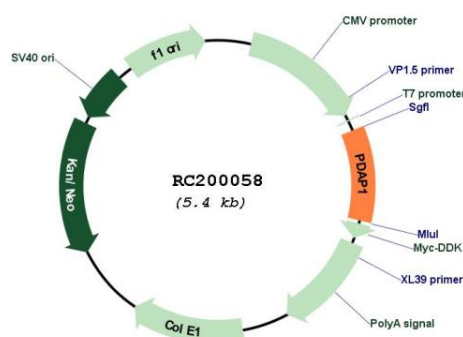
RefSeq Size: 2707 bp

RefSeq ORF: 546 bp

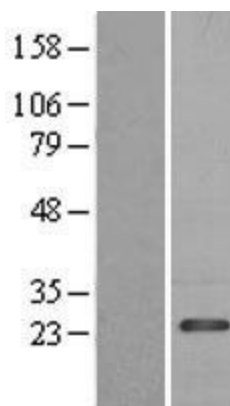
**Locus ID:** 11333  
**UniProt ID:** [Q13442](#)  
**Cytogenetics:** 7q22.1  
**MW:** 20.6 kDa

**Gene Summary:** The protein encoded by this gene is a phosphoprotein that may upregulate the PDGFA-stimulated growth of fibroblasts and also downregulate the mitogenicity of PDGFB. The encoded protein in rodents has been shown to bind PDGFA with a low affinity. [provided by RefSeq, Dec 2010]

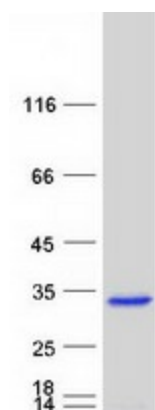
## Product images:



Circular map for RC200058



Western blot validation of overexpression lysate (Cat# [LY402386]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200058 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PDAP1 protein (Cat# [TP300058]). The protein was produced from HEK293T cells transfected with PDAP1 cDNA clone (Cat# RC200058) using MegaTran 2.0 (Cat# [TT210002]).