

## Product datasheet for RC227420

### PRAP1 (NM\_001145201) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PRAP1 (NM\_001145201) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PRAP1  
**Synonyms:** PRO1195; UPA  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC227420 representing NM\_001145201  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGAGGCTCCTCCTGGTCACCAGCCTGGTGGTTGTGCTGCTGTGGGAGGCAGGTGCAGTCCCAGCAC  
CCAAGGTCCTATCAAGATGCAAGTCAAACACTGGCCCTCAGAGCAGGACCCAGAGAAGGCTGGGGCGC  
CCGTGTGGTGGAGCCTCCGGAGAAGGACGACCAGCTGGTGGTGTGTTCCCTGTCCAGAAGCCGAAACTC  
TTGACCACCGAGGAGAAGCCACGAGGCACCAAGGCCTGGATGGAGACCGAGGACACCTGGGCCGTGTCC  
TGAGTCCCGAGCCGACCATGACAGCCTGTACCACCTCCGCCTGAGGAGGACCAGGGCAGGAGAGGCC  
CCGTTTGTGGGTGATGCCAAATCACCAGGTGCTCCTGGGACCGGAGGAAGACCAAGACCACATCTACCAC  
CCCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC227420 representing NM\_001145201  
Red=Cloning site Green=Tags(s)

MRRLLLVTSLVVLLWEAGAVPAPKVPVVKMVKHWPSEQDPEKAWGARVVEPPEKDDQLVVLFPVQKPKL  
LTTEEKPRGKAWMETEDTLGRVLSPEPDHDSL YHPPPEEDQGEERPLWMPNHQVLLGPEEDQDHIYH  
PQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

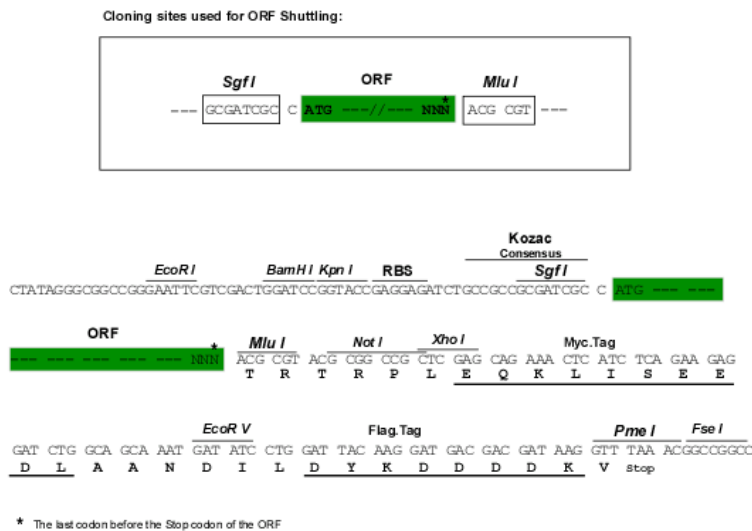
**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1447\\_c03.zip](https://cdn.origene.com/chromatograms/ja1447_c03.zip)



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001145201

ORF Size: 426 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\\_001145201.1](#), [NP\\_001138673.1](#)

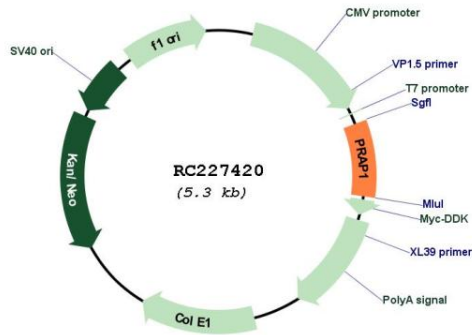
RefSeq ORF: 429 bp

Locus ID: 118471

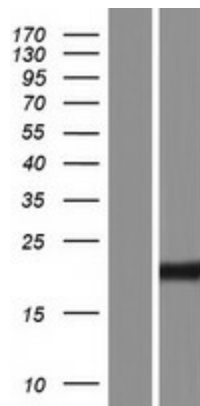
UniProt ID: [Q96NZ9](#)

**Cytogenetics:** 10q26.3  
**MW:** 16.2 kDa  
**Gene Summary:** May play an important role in maintaining normal growth homeostasis in epithelial cells. [UniProtKB/Swiss-Prot Function]

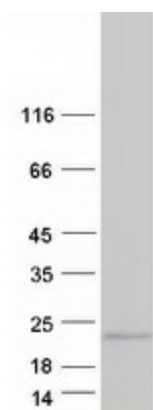
**Product images:**



Circular map for RC227420



Western blot validation of overexpression lysate (Cat# [LY428749]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227420 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PRAP1 protein (Cat# [TP327420]). The protein was produced from HEK293T cells transfected with PRAP1 cDNA clone (Cat# RC227420) using MegaTran 2.0 (Cat# [TT210002]).