

## Product datasheet for **RG202972**

### PRADC1 (NM\_032319) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRADC1 (NM_032319) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRADC1
Synonyms:	C2orf7; PAP21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202972 representing NM_032319 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCCCCGGCGCCGGGCTGGTGTGTCTCGTCTGGCTCCCCGCGTGCGTCGGGCCACGGCT  
TCCGTATCCATGATTATTTGACTTTCAAGTGCTGAGTCTGGGACATTCGATACATCTTCACAGCCAC  
ACCTGCCAAGGACTTTGGTGGTATCTTTCACACAAGGTATGAGCAGATTCACCTTGTCGCCGCTGAACCT  
CCAGAGGCTGCGGGAACTCAGCAACGGTTTCTCATCCAGGACCAGATTGCTCTGGTGGAGAGGGGG  
GCTGCTCTTCTCTCAAGACTCGGGTGGTCCAGGAGCACGGCGGGCGGGTATCATCTCTGACAA  
CGCAGTTGACAATGACAGCTTCTACGTGGAGATGATCCAGGACAGTACCCAGCGCACAGCTGACATCCCC  
GCCCTTCTCTGCTCGGCCGAGACGGCTACATGATCCGCCGCTCTCTGGAACAGCATGGGCTGCCATGGG  
CCATCATTTCCATCCCAGTCAATGTCACCAGCATCCCCACCTTTGAGCTGCTGCAACCGCCTGGACCTT  
CTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG202972 representing NM_032319 Red=Cloning site Green=Tags(s)
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MVPGAAGWCCLVLWLPACVAAHGFRIDHLYFQVLSPGDIRYIFTATPAKDFGGIFHTRYEQIHLVPAEP  
PEACGELSNQFFIQDQIALVERGGCSFLSKTRVVQEHGGRAVIIISDNVDNDSFYVEMIQDSTQRTADIP  
ALFLLGRDGYMIRRSLEQHGLPWAIISIPVNVTSIPTFELLQPPWTFW

**TRTRPLE** - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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**Cloning Scheme:**

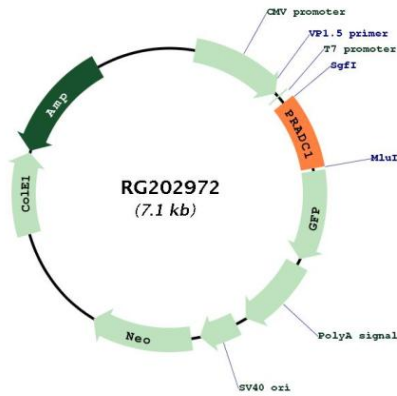

- ACCN:** NM\_032319
- ORF Size:** 564 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each 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\\_032319.3](#)
- RefSeq Size:** 1105 bp
- RefSeq ORF:** 567 bp
- Locus ID:** 84279
- UniProt ID:** [Q9BSG0](#)
- Cytogenetics:** 2p13.2

**Domains:** PA

**Protein Families:** Protease, Transmembrane

**Gene Summary:** Plays a role in the modulation of physical activity and adiposity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG202972