

Product datasheet for **RG203702**

PRTFDC1 (NM_020200) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRTFDC1
Synonyms:	HHGP
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203702 representing NM_020200
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGAGCAGCGAGGAGGCGCCAGACTACGGCGAGGCGTCGTGATTATGGATGATTGCCAGGGT
ATGACTTGAATTTATTCACGTACCCACAGCACTATTATGGAGACTTGGAGTATGTCCTCATCCCTCATGG
TATCATTGTGGACAGAATTGAGCGGCTGGCCAAGGATATTATGAAAGACATAGGATATAGTGACATCATG
GTCCTGTGTGTGCTTAAAGGAGGTTACAAATCTGTGCTGATCTCGTAGAACACCTTAAGAACATCAGCC
GAAATTCAGATCGATTTGTCTCAATGAAGGTTGATTTATCAGACTAAAAAGTTACAGGAATGACCAGTC
CATGGGTGAGATGCAGATAATCGGAGGCGATGATCTTTCAACGCTGGCTGGAAGAATGTTCTATTGTT
GAGGATGTTGTGGAAGTGGGAGGACCATGAAAGCACTACTCAGCAATATAGAGAAATACAAGCCCAACA
TGATTAAGGTAGCCAGTTTGTGGTGAAGAGAACATCCAGAAGTGACGGCTTTAGACCTGACTATGCTGG
ATTTGAGATTCCAACTTATTTGTGGTGGGATATGCCTTAGATTACAATGAATACTTCAGAGATCTGAAT
CACATATGCGTCATCAATGAGCACGGTAAAGAAAAATATCGAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203702 representing NM_020200
Red=Cloning site Green=Tags(s)

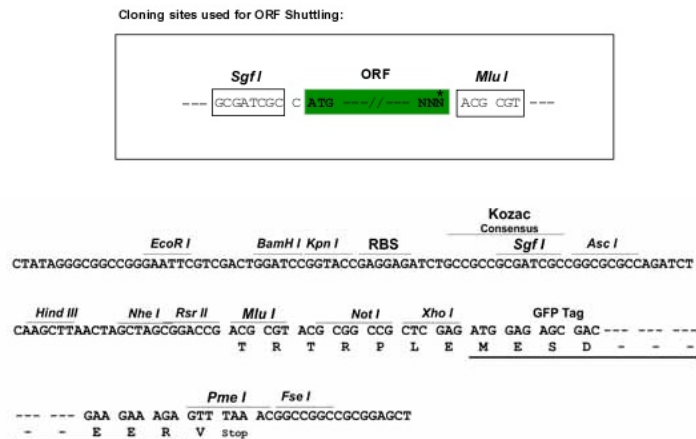
MAGSSEAPDYGRGVVIMDDWPGYDLNLFYTPQHYYGDLEYVLIPHGIIVDRIERLAKDIMKDIGYSDIM
VLCVLKGGYKFCADLVEHLKNISRNSDRFVSMKVDFIRLKSyrNDQSMGEMQIIGDDLSTLAGKNVLI
EDVVGTRMTKALLSNIEKYKPNMIKVASLLVKRTSRSDGFRPDYAGFEIPNLFVVGALDYNEYFRDLN
HICVINEHGKEYRV

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020200

ORF Size: 675 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).

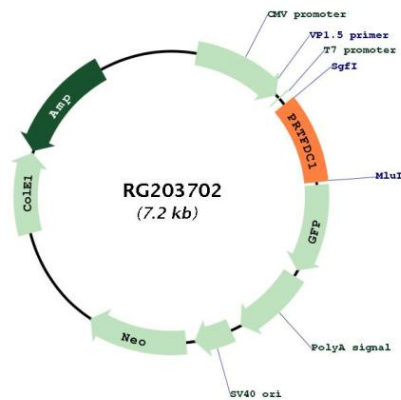
Reconstitution Method:

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_020200.7](#)

RefSeq Size:	1926 bp
RefSeq ORF:	678 bp
Locus ID:	56952
UniProt ID:	Q9NRG1
Cytogenetics:	10p12.1
Domains:	Pribosyltran
Protein Families:	Druggable Genome
Gene Summary:	Has low, barely detectable phosphoribosyltransferase activity (in vitro). Binds GMP, IMP and alpha-D-5-phosphoribosyl 1-pyrophosphate (PRPP). Is not expected to contribute to purine metabolism or GMP salvage.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for RG203702