

## Product datasheet for **SC334321**

### **PRTFDC1 (NM\_001282786) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PRTFDC1 (NM_001282786) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRTFDC1
Synonyms:	HHGP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282786, the custom clone sequence may differ by one or more nucleotides

```
ATGGCCGGGAGCAGCGAGGAGGCCAGACTACGGCGAGGCGTCGTGATTATGGATGATTGCCAGGGT
ATGACTTGAATTTATTCACGTACCCACAGCACTATTATGGAGACTTGGAGTATGCCTCATCCCTCATGG
TATCATTGTGGACAGAATTGAGCGGCTGGCCAAGGATATTATGAAAGACATAGGATATAGTGACATCATG
GTCCTGTGTGCTTAAAGGAGGTTACAAATCTGTGCTGATCTCGTAGAACACCTTAAGAACATCAGCC
GAAATTCAGATCGATTTGTCTCAATGAAGGTTGATTTTCATCAGACTAAAAAGTTACAGGAATGACCAGTC
CATGGGTGAGATGCAGATAATCGGAGGCGATGATCTTTCAACGCTGGCTGAAAGAATGTTCTCATTGTT
GAGGATGTTGTCGGAAGTGGGAGGACCATGAAAGCACTACTCAGCAATATAGAGAAATACAAGCCCAACA
TGATTAAGGTAGCCAGTTTGTGGTGAAGAGAACATCCAGAAGTGACGGCTTTAGACCTGACTCACATAT
CGGTCATCAATGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282786
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



[View online »](#)

**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\\_001282786.1](#), [NP\\_001269715.1](#)

**RefSeq Size:** 1925 bp

**RefSeq ORF:** 573 bp

**Locus ID:** 56952

**UniProt ID:** [Q9NRG1](#)

**Cytogenetics:** 10p12.1

**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]  
Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.