

## Product datasheet for SC322251

### PRTFDC1 (NM\_020200) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRTFDC1 (NM_020200) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRTFDC1
Synonyms:	HHGP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for SC322251  
 GTCTTCCCTTCCCGCGTCCCGGGGAGAAACATGGCCGGGAGCAGCGAGGAGCGCCAGA  
 CTACGGGCGAGGGCGTCGTGATTATGGATGATTGGCCAGGGTATGACTTGAATTTATTCAC  
 GTACCCACAGCACTATTATGGAGACTTGGAGTATGTCCTCATCCCTCATGGTATCATTGT  
 GGACAGAATTGAGCGGCTGGCCAAGGATATTATGAAAGACATAGGATATAGTGACATCAT  
 GGTCTGTGTGTGCTTAAAGGAGTTACAAATTCTGTGCTGATCTCGTAGAACACCTTAA  
 GAACATCAGCCGAAATTCAGATCGATTTGTCTCAATGAAGTTGATTTTCATCAGACTAAA  
 AAGTTACAGGAATGACCAGTCCATGGGTGAGATGCAGATAATCGGAGGCGATGATCTTTC  
 AACGCTGGCTGAAAAGAATGTTCTCATTGTTGAGGATGTTGTGCGAACTGGGAGGACCAT  
 GAAAGCACTACTCAGCAATATAGAGAAAACAAGCCCAACATGATTAAGGTAGCCAGTTT  
 GTTGGTGAAGAGAACATCCAGAAGTGACGGCTTAGACCTGACTATGCTGGATTTGAGAT  
 TCCAAACTTATTTGGTGGGATATGCCTTAGATTACAATGAATACTTCAGAGATCTGAA  
 TCACATATGCGTCATCAATGAGCACGGTAAAGAAAAATATCGAGTCTAAAGACATGAATT  
 CTCACCACTAAAGTCCCAGATAGCATCATATTTACGCCTGACTTGGGAAGCCAGCTGTC  
 AAGTTTGTCCCCCAGGCATCTTCACTCAGCAGGATATAAAAGAAAAAAATGTTCAAATG  
 AGAGAGCTTTCTTTTCTGAGGTTAATAAAGAGTATCAAAGTTCTTAAGGAAAAGAAA  
 GCAGTGCTTTTATTTGACTTGTTCCAAATTAACACTCCGCTTGTGACTCAGCAATGCT  
 ATCTACCTTCACTCCTGAGCTCCGCCTTCTTTGTTTTGATACAGTCATTATATTTGA  
 TTAGTATTTCCAGGAATACCCCACTAGTTACTCAAATTTTTTCACTTAACTTTTTAT  
 ACTCTTATTTGGTAATAAGCTTACAATATTAAGAAGTGGGACTTTTTTTTTAACTGAA  
 GACTTGAGTCCCCATACCGGGAATGCAGCTATTAATAGATTCCCATATTTTAAAAGGAG  
 GGAAAGGACAATTTAATAAATTTCTGTTTGTGATTCTGACAGGCCATTATTATCTG  
 CTTTGACAAAGCCTTTCTGAAACGCAGTGTACAATGAATCTTAATGATGTTATGAAACGA  
 GCTTTGCTCGGGCTCTTGATTGGAGCTTCCGGTATGTGATGACGGTATGTCATGTATGC  
 ATGGATGACTCAACTGTGTTTAACTCTGAATTTTAAATAGAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_020200
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_020200.5</a></u> , <u><a href="#">NP_064585.1</a></u>
<b>RefSeq Size:</b>	1926 bp
<b>RefSeq ORF:</b>	678 bp
<b>Locus ID:</b>	56952
<b>UniProt ID:</b>	<u><a href="#">Q9NRG1</a></u>
<b>Cytogenetics:</b>	10p12.1
<b>Domains:</b>	Pribosyltran
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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 (1) represents the longer transcript and encodes the longer isoform (1).