

Product datasheet for **RC233396**

TINP1 (NSA2) (NM_001271665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TINP1 (NSA2) (NM_001271665) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TINP1
Synonyms:	CDK105; HCL-G1; HCLG1; HUSSY-29; HUSSY29; TINP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233396 representing NM_001271665 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACAGAATGAATATATTGAATTACACCGTAAACGCTATGGATACCGTTTGGATTACCATGAGAAAA
 AGAGAAAGAAGGAAAGTCGAGAGGCTCATGAACGTTCAAAGAAGGCAAAGAAAATGATTGGTCTGAAGGC
 TAAGCTTTACCATAAACAGCGTCATGCTGAGAAAATACAAATGAAAAAGACTATCAAGATGCATGAAAAG
 AGAAACACCAACAAAAGAATGATGAAAAGACACCACAGGGAGCAGTACCTGCCTATCTGCTGGACAGAG
 AGGGACAATCTCGAGCTAAAGTACTTTCCAATATGATTAACAGAAAAGAAAAGAGAAGGCGGGAAAATG
 GGAAGTCCCTCTGCCTAAAGTACGTGCCAGGGAGAAACAGAAGTATTAAGATTATTCGAACAGGAAAG
 AGAAAGAAGAAGGCATGGAAGAGAATGGTTACTAAAGTGTGCTTTGTTGGAGATGGCTTTACAAGAAAAC
 CACCTAAATATGAAAGATTCATCAGGCCAATGGAATATGCCAGGTTACCAACAATCCTGAAAATGAT
 GGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC233396 representing NM_001271665 Red=Cloning site Green=Tags(s)
-------------------	---

MPQNEYIELHRKRYGYRLDYHEKKRKESREAHERSKKAKKMIGLKAKLYHKQRHAEKIQMKTIKMHKEK
 RNTKQKNDKTPQGAVPAYLLDREGQSRKVLNMIKQKRKEKAGKWEVPLPKVRAQGETEVLKVIRTGK
 RKKKAWKRMVTKVCFVGDGFTKPPKYERFIRPMENMPRLPTILKMMDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271665

ORF Size: 567 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_001271665.2](#)

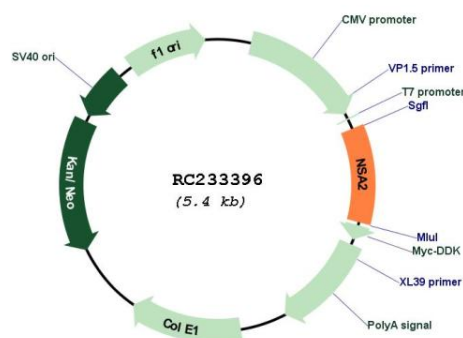
RefSeq Size: 1208 bp

RefSeq ORF: 570 bp

Locus ID: 10412
UniProt ID: [O95478](#)
Cytogenetics: 5q13.3
MW: 23.1 kDa

Gene Summary: This gene encodes a nucleolar protein involved in cell cycle regulation and proliferation. This gene was identified based on sequence similarity to a highly conserved *Saccharomyces cerevisiae* gene encoding a pre-ribosomal protein, which is involved in large ribosomal subunit biogenesis. The encoded protein is found at elevated levels in diabetic nephropathy. Alternative splicing results in multiple transcript variants. Several related pseudogenes have been identified. [provided by RefSeq, Nov 2012]

Product images:



Circular map for RC233396