

Product datasheet for **SC114735**

TINP1 (NSA2) (NM_014886) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TINP1 (NSA2) (NM_014886) Human Untagged Clone
Tag:	Tag Free
Symbol:	TINP1
Synonyms:	CDK105; HCL-G1; HCLG1; HUSSY-29; HUSSY29; TINP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114735 sequence for NM_014886 edited (data generated by NextGen Sequencing)

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ATGCCACAGAATGAATATATTGAATTACACCGTAAACGCTATGGATACCGTTTGGATTAC
CATGAGAAAAAGAGAAAAGGAAAGTCGAGAGGCTCATGAACGTTCAAAGAAGGCAAAG
AAAATGATTGGTCTGAAGGCTAAGCTTTACCATAAACAGCGTCATGCTGAGAAAATACAA
ATGAAAAAGACTATCAAGATGCATGAAAAGAGAAACACCAAAACAAAAGAATGATGAAAAG
ACACCACAGGGAGCAGTACCTGCCTATCTGCTGGACAGAGAGGGACAATCTCGAGCTAAA
GTACTTTCCAATATGATTAACAGAAAAGAAAAGAGAAGGCGGGAAAAATGGGAAGTCCCT
CTGCCTAAAGTACGTGCCAGGGAGAAACAGAAGTATTAAGTTATTGAAACAGGAAAAG
AGAAAGAAGAAGGCATGGAAGAGAATGGTACTAAAGTGTCTTTGTTGGAGATGGCTTT
ACAAGAAAACCACCTAAATATGAAAGATTCATCAGGCCAATGGGCTTGCCTTTCAAGAAA
GCCCATGTAACACATCCTGAACTGAAAGCCACCTTTTGCCTACCAATACTTGGTGTAAAG
AAGAAATCCCTCATCCCCACTGTATACAACCTTTGGGTGTTATTACCAAAGTACTGTCATT
GAAGTAAATGTGAGCGAATTGGGCTTGTGACGCAAGGAGGCAAAGTTATTTGGGAAAAA
TATGCCAGGTTACCAACAATCCTGAAAATGATGGATGTATAAATGCAGTCTTACTGGTT
TGA
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Clone variation with respect to NM_014886.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014886 unedited ACATTTTGTATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGGCTTGTGGGTC TTTGAGACCCGAAAATTGAGAGCGTTTTTCGCACTTCAGGGGCTGCTCCTGGCGGCTCTGC GGCCGTCACCATGCCACAGAATGAATATATTGAATTACACCGTAAACGCTATGGATACCG TTTGGATTACCATGAGAAAAAGAGAAAGAAGGAAAGTCGAGAGGCTCATGAACGTTCAA GAAGGCAAAGAAAATGATTGGTCTGAAGGCTAAGCTTTACCATAAACAGCGTCATGCTGA GAAAATACAAATGAAAAAGACTATCAAGATGCATGAAAAGAGAAACACCAACAAAAGAA TGATGAAAAGACACCACAGGGAGCAGTACCTGCCTATCTGCTGGACAGAGAGGGACAATC TCGAGCTAAAGTACTTTCCAATATGATTAACAGAAAAGAAAAGAGAAGGCGGGAAAATG GGAAGTCCCTCTGCCTAAAGTACGTGCCAGGGAGAAAACAGAAGTATTAAGTTATTTCG AACAGGAAAGAGAAAGAAGAAGGCATGGAAGAGAATGGTTACTAAAGTGTGCTTTGTTGG AGATGGCTTTACAAGAAAACCACCTAAATATGAAAGATTCATCANGCCAATGGGCTTGCG TTTCAAGAAAGCCCATGTAAACACATCCTGAACTGAAAGCCACCTTTTGCCTACCAATACT TGGTGTAAGAAGAATCCCTCATCCCCTGTATACAACNTGGGTGTTATTACCAAAGG TACTGTCAATTGAAGTAAATGTGAGCGAATTGGGCCTTGTGACGCAAGGAGCACAGTTATT TGGGGAAAATATGCCAGGTTACCAACAATCTGANATGATGGATGTATAATGCAGTCTACT GTTTGACAGCAATTCATATTTATTATTGAGGACTAACACCCATTGAAGAACTGCCATAT
Restriction Sites:	NotI-NotI
ACCN:	NM_014886
Insert Size:	2930 bp
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).
Reconstitution Method:	<ol style="list-style-type: none">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_014886.2 , NP_055701.1
RefSeq Size:	1105 bp
RefSeq ORF:	783 bp
Locus ID:	10412
UniProt ID:	O95478
Cytogenetics:	5q13.3
Domains:	Ribosomal_S8e

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]

Transcript Variant: This variant (1) encodes the longest isoform (1).