

Product datasheet for **SC303643**

TNP2 (NM_005425) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNP2 (NM_005425) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNP2
Synonyms:	TP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303643 representing NM_005425. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACACCCAGACTCACAGCCTTCTATCACCCACACTCAGCTCCATAGCAACTCTCAGCCCCAAAGC
CGCACCTGCACCCGCCATTGCCAAACCTTCAGCCAGAGTTGCAGACAGAGCCATCGTGCCAGCCGGAGC
CAGAGTCCAGCCAGAGCCGGCCAGCCACCGCAACCCAACTGGAGCCCACAGCTCATCCGGCCACCAG
AGCCAGAGTCCCAACACTAGTCCACCACCAAGCGCCACAAAAGACTATGAACTCCCACACTCTCCC
ATGCGGCCACCATCCTGACTGCGCTGCCCAAGAACAGAAAGAACTTGAAGGCAAGCTGAAAAAG
AAAAAATGGCCAAGAGGATCCAGCAGGTGTACAAAACCAAGACGCGGAGCTCAGGATGGAATCCAAC
TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_005425
Insert Size:	417 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).



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OTI Annotation:	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.
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_005425.4
RefSeq Size:	599 bp
RefSeq ORF:	417 bp
Locus ID:	7142
UniProt ID:	Q05952
Cytogenetics:	16p13.13
MW:	15.6 kDa
Gene Summary:	Plays a key role in the replacement of histones to protamine in the elongating spermatids of mammals. In condensing spermatids, loaded onto the nucleosomes, where it promotes the recruitment and processing of protamines, which are responsible for histone eviction. [UniProtKB/Swiss-Prot Function]