

Product datasheet for **SC209463**

TPX2 (NM_012112) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: TPX2 (NM_012112) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: TPX2
Synonyms: C20orf1; C20orf2; DIL-2; DIL2; FLS353; GD:C20orf1; HCA519; HCTP4; p100; REPP86
ACCN: NM_012112
Insert Size: 750 bp
Insert Sequence: >SC209463 3'UTR clone of NM_012112
The sequence shown below is from the reference sequence of NM_012112. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCAAATTCTCCACTCGATTCCACTGCTAACTCAGCTGTGAGCTGCGGATACCGCCCGGCAATGGGAC
CTGCTCTTAACCTCAAACCTAGGACCGTCTTGCTTTGTCAATTGGGCATGGAGAGAACCCATTCTCCAG
ACTTTTACCTACCCGTGCCTGAGAAAGCATACTTGACAACCTGTGGACTCCAGTTTTGTTGAGAATTGTT
TTCTTACATTACTAAGGCTAATAATGAGATGTAACCTCATGAATGTCTCGATTAGACTCCATGTAGTTAC
TTCCTTTAAACCATCAGCCGGCCTTTTATATGGGTCTTCACTCTGACTAGAAATTTAGTCTCTGTGCAG
CACAGTGAATCTCTATTGCTATTGCCCTTACGACTCTCACCTCTCCCACTTTTTTTAAAAATTTT
AACCAGAAAATAAAGATAGTTAAATCCTAAGATAGAGATTAAGTCATGGTTTAAATGAGGAACAATCAG
TAAATCAGATTCTGCTCTTCTCTGCATACCGTGAATTTATAGTTAAGGATCCCTTTGCTGTGAGGGT
AGAAAACCTCACCAACTGCACCAGTGAAGGAAGAAGACTGCGTGGATTTCATGGGGAGCCTCACAGCAGCC
ACGCAGCAGGCTCTGGGTGGGGTGCCGTTAAGGCACGTTCTTTCTTACTGGTGTGATAACAACAGG
GAACCGTGCAGTGTGCATTTTAAGACCTGGCCTGGAATAAATACGTTTTGTCTTTCCCTC
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_012112.5
Summary:	Spindle assembly factor required for normal assembly of mitotic spindles. Required for normal assembly of microtubules during apoptosis. Required for chromatin and/or kinetochore dependent microtubule nucleation. Mediates AURKA localization to spindle microtubules (PubMed:18663142, PubMed:19208764). Activates AURKA by promoting its autophosphorylation at 'Thr-288' and protects this residue against dephosphorylation (PubMed:18663142, PubMed:19208764). TPX2 is inactivated upon binding to importin-alpha (PubMed:26165940). At the onset of mitosis, GOLGA2 interacts with importin-alpha, liberating TPX2 from importin-alpha, allowing TPX2 to activates AURKA kinase and stimulates local microtubule nucleation (PubMed:26165940).[UniProtKB/Swiss-Prot Function]
Locus ID:	22974
MW:	28.5