

Product datasheet for **SC127206**

TCHP (NM_032300) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TCHP (NM_032300) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TCHP |
| Synonyms: | TpMs |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_032300, the custom clone sequence may differ by one or more nucleotides |

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ATGGCGCTCCCGACGCTGCCGTCTACTGGTGCAGCCAGCAGCGCCTGAATCAGCAGCTAGCACGACAGC
GAGAGCAGGAGGCCGGCTTCGGCAGCAGTGGGAGCAGAACAGCCGTTACTTCAGGATGTCTGACATCTG
CAGCTCCAAACAGGCAGAATGGAGCTCTAAAACCTCTACCAGCGGAGCATGCATGCCTATCAGCGGGAG
AAGATGAAGGAGGAGAAGAGGAGGAGTCTGGAGGCCGACGGGAAAAGCTCAGGCAGCTCATGCAGGAGG
AGCAGGACCTGCTGGCCAGAGAAGTGGAGGAGCTGAGGCTGAGCATGAACTTGCAGGAAAAGAAGAATCCG
GGAGCAGCACGGGAAGCTGAAATCAGCCAAAGAAGAGCAGAGGAAACTGATTGCTGAACAACTTTTGTAC
GAACACTGGAAAAAGAACAACCCGAAACTTCGAGAGATGGAGCTGGACCTTCACCAGAAGCATGTGCTAA
ACTCTTGGGAAATGCAGAAAGAAGAAAAAAGCAAGAAGCCACCGCAGAGCAAGAGAACAAACGGTA
TGAAAAATGAATATGAAAGGGCCGAAAGGGAGGCGCTAGAAAGGATGAAAGCTGAAGAGGAGAGGAGGCG
CTGGAGGACAAGCTCCAGGCCGAGGCACTGCTGCAACAGATGGAGGAGCTGAAGCTGAAGGAGGTGGAGG
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CAACTCAGCAGACGCACACAGCAGATCCAAGAGGAGCTGGAGGCAGACAGGCGGATCCTGCAGGCCCTCC
TCGAGAAGGAGGACGAGAGCCAGCGCTCCACCTGGCCAGGCGGGAGCAGGTGATGGCCGATGTGGCCTG
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CGCGAGAAAGAGGAGAGTAAAAGCTGAAATCGGCCAGGAAGCAGGAGCTGGAAGCCAGGTTGCAGAGC
GCCGGTGCAGGCATGGGAAGCAGACCAGCAGGAGGAGGAGGAAGAGGAGGAGGCCCGCGGGTTCGAGCA
GCTCTCAGATGCCCTGCTGCAGCAGGAGGCGGAGACTATGGCTGAGCAGGGCTACCGCCTAAGCCTTAC
GGACATCCAAAAATTGCTTGAAGTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032300 unedited
 GTCAGAAATTTGTAATACGACTCACTATAGGGGCGGCCGATTTCGGCACGAGGGAAACA
 GCCGGCGTTGCTGTAGCGCGTCTGGGAATTACACCGGGGACTGGCCGGCCGCTTCGTG
 CCTGCGGGAAGTCGGGCCGGGGACTCTTCGAAACTCCGAGCCTCAGAGAAATATGGCG
 CTCCCAGCGTGCCGCTCTACTGGTGCAGCCAGCAGCGCCTGAATCAGCAGCTAGCACGA
 CAGCGAGAGCAGGAGGCCCGCTTCGGCAGCAGTGGGAGCAGAACAGCCGTTACTTCAGG
 ATGTCTGACATCTGCAGCTCCAAACAGGCAGAATGGAGCTCTAAAACCTCCTACCAGCGG
 AGCATGCATGCCTATCAGCGGGAGAAGATGAAGGATGAGAAGAGGAGGAGTCTGGAGGCC
 CGACGGGAAAGCTCAGGCAGCTCATGCAGGATGAGCATGACCTGCTGGCCANAGAACTG
 GAGGAGCTGAGGCTGAGCATGAACTTGCAAGAAAGAAGAATCCCGGAGCAGCACGGGAAG
 CTGAAATCAGCCAGAGAGCAGAGGAACTGATTGGGCTGACACTTTTGACGACTGG
 AAAAAGAACACCCCGAACTCGAGAGATGGAGCTGGACCTCACCAGAGCATGTCGTAAT
 CTGGGAAATGCNAGATGATAAAAACAGCAGAGCCCCGCAAGCAGAGACCAACGTAT
 GATATGATATGNAAGCCCGANGGGAGCGCTAAAGATGAACCCAAAAAGAAAAGAGGCA
 GCTGGAGACAGCTCCAGGCGAGGCTGCTGCACAGATGGAGAGCTGAGCTGAAAGAGGTG
 GAGGCGACCCAACTAAGATGAGCGGAGAATCTGTGAANCACGGTGGAGCTNAGAGGCTGG
 AGAAACGAAGCNATGGATCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032300 unedited
 CAGCTTGGCCGAAGCCGAATCNANGATCGAGTTTTTTTTCTTTTTTTTTTTTTTTTTT
 TTGGCGAAGCAGATTTTATTTACCATTACTGGACATCTGAAATGGGGAACGCAACAGAG
 AGCATGCGTGATGAACGTGCTGCTCAGGGGATCAGAGTCAAAGAGTTGCCAGAAAATGAA
 CAACAGATGAAGGACGTGGTTTGCAGCTTGATCTGTTTTTACAGGACAGTGAAGTGAAA
 GGTAAAGACAGCCCTTAAGACTCAGGATTTTAATAAACTCTGATTTTAAATAACCATGGA
 ACAATGCCTGTAATTAGCTGTAATTTACGGAGATATGGAATCTTGAACATAATGGGATG
 AAAACTAAACCTCAGAGGAAGGGTATAGTAAAAATACCAGTCATAAAAATAATATTATTC
 TGCAAGGAACTTGTTCCTGTTTGTAGAAATGAATGTACACCTGTTTCACGCTGATATAAT
 GGGGGGAGAGATTTCCGGCCGCTGTGGTTCTGAGACTCATAGTTTCCTTCGGCTCA
 GAGTTTTCCCTCTGGGCCATATATCCACGAAGCTACATGTTGTTCCCTCAGACATTCC
 CATGTGGCCTACGTGTTCCCTCCCTGCCTTTTAAAGGGTCTCCCTCCCGGTCGACCCTCT
 CAGGGCCCTTCTTGGTCTTAAAGTAGGGCTCACTCTTTTGTCTCCCTTGGCTCCACCCC
 CGGGCTCAACAGATTTTTCCTTAGCCCTTCCGGGTAGCGGGCCCTAAGGACCTTCC
 CCCCCCGCATTGAAACTATTCTTCGGGCTCCTAACCTCTGTTGGGATCCTTCTCT
 CCCACCCTTGGCTTTTCGAAATTTCCCAATGGCTCCTGGAGGAGGAGACTCTTTGTT
 CCTCTTTTTGTAAGCACCCATGACCCCACTCACCAGCGC

Restriction Sites:

NotI-NotI

ACCN:

NM_032300

Insert Size:

3000 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:

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_032300.2](#), [NP_115676.1](#)

RefSeq Size: 3162 bp

RefSeq ORF: 1497 bp

Locus ID: 84260

UniProt ID: [Q9BT92](#)

Cytogenetics: 12q24.11

Gene Summary: Tumor suppressor which has the ability to inhibit cell growth and be pro-apoptotic during cell stress. Inhibits cell growth in bladder and prostate cancer cells by a down-regulation of HSPB1 by inhibiting its phosphorylation. May act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery. May regulate K8/K18 filament and desmosome organization mainly at the apical or peripheral regions of simple epithelial cells (PubMed:15731013, PubMed:18931701). Is a negative regulator of ciliogenesis (PubMed:25270598).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.