

## Product datasheet for **MC202499**

### Tchp (NM\_029992) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tchp (NM_029992) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tchp
Synonyms:	A930031F18Rik; AV279199
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC043048 sequence for NM\_029992  
 GGACCCTCGGAGCGAGCGGGCGCGTGATCGAGCTAAGGCCGGCGACCTTCTCCGCGAACTTCGGACACG  
 GAGTGCATGAGTCAGAGATGGCTCTCCCCACGTTGCCCTTTATTGGTCCAGCCGAAACACATGGATCT  
 TCGCCAGCGCCAGCATCAGCAGGAGGACCAGTTTCGCCAGCAGTGGGAACAGAACAGTCGCTATTTTCAGG  
 ACCTGGGACATCCACAACCTCGAAACAGATCGAATGGAGCTCCAAGATCTCCTACCAGCGGAGCATGCACG  
 CCTACCATTTGTGAGAAGATGAAGGAGGAGAAGAGAAGATTCTGGAGCTCCGGCGGGAGAGGCTCAGAGA  
 GCTTCTCCTGGAGGAACAGGACTTGCTGGCTGCGGAGCTGGATGAGCTCAGGCTGAGCATGGGCCTGCGG  
 GAGCAAAGGCTCCGCGAGCAGCACCAGGACCTGAAGTCAGCCCGAGAAGAACAGAGGAAGCTGATTGCTG  
 AACGACTTTTATATGAACACTGGAAAGAAGAAACCCCAAACTTCGAGAGCTTGAGTTGGACCTTACAA  
 GAAGCACGTGATAAAATTTGGGCAACACAGAAAGAAGAAAAAACAGCAAGAAGCCACAGAGAAGCAG  
 GAGAACAAGCGGTTGGAGAACCAGTACGCAGCAGCCCGCGGAAAGCCGAGGCGAGGATGAGAGTCGAGG  
 AGGAGAGGAGGCAGCTAGAGGGGCGCTGCAGGCCGAGGCGCTGCGCCAGCAGATGGAGGAGCTGAAGCA  
 GAAGGAGATGGAGCAACCAAACTGAAGAAGGAACAGGAGAACCTGCTGAGGCAGCGCTGGGAGCTGGAA  
 AGGCTGGAGGAGAAAGGAGGCAGATGGCCGCCCTCCGGCGCAAGACAGAGCTGGGGCGCTTCTTGAAC  
 ATCAGTACAACGCGCAGCTCAACAGGCGCACCCAGGAGATCCAGGAGGAGCTGGAGGTAGATGGGCGGAT  
 CCTGCAGGCCCTCCTGGAGAAGGAAGGCGAGTTGCAGCAGGTGGAACCTGGCCAGGCGGGAGCAAGCCCG  
 GCCGATGCGGCCTGGATGAAGCAGGTATCGAGGAGCAACTGCAGCTGGAGAAAGCACGGGAGGCAGAGC  
 TGCAGCAGCTGCTGAGGGAGGAGGCCAAGGAGATGTGGGAGAAGAGAGAGGCCGAGTGGGCCCGAGAGCA  
 GGTGCGCGCGGACAGACTGATGAGTGAGTTCTGACCCGGAGGCAGCAGCAGATCCTGGAGAAGATTGAA  
 CAGAACCAGCGGGCACAGGAGGAGACCCTCAAACACAGGGAGAAACTCATCAGGAGTCTCGAGGAGGGGA  
 AGCAGTTAGTTCAGCGAGCCAAGGAGGAGAGTGAAGAGCTGAAGTTGGCCAGGAAGCAGGAGCTGGAAGC  
 CCAGGTGGGGCCCAAGGGCAAGGGCGGCTCGCAGGACACTACAGAACAGAGCTCGGCCGAGGTCCTTGA  
 GTCCAGTCCATTGCTTGTACATCCAAATCTCTCTGCTGCAGGCTCCATCCTGGTTTCTAGTCTGT  
 GGAAACCAGGCTAATGTCACTGTCCCTTTTCTTTCTATCCTGTTCTCAAACACATGGCTGCATT  
 AGAGCTCTCACATGGTTACAGCACCATCTGTATGGCCGTTCCAGTCTCAGGTTCTTGTCTGTTTCT  
 TGGCACTTGCCATCTGTCTCTTGTGAGGAGGCTGTGCCCTCTGGGCTTGTCTTGGTGACTCTG  
 TTCTCGGTGTCCAGGTTGCAGAGCGCCAGGGCCAGGAATGGGAAGCAGCCCGCAGGAGGAGGAGGAAGA  
 GGAGGAGGCCAGGCGGGAAGAGCACTCCAATGCTTTGCTGCAGCAGGAGGCGAAGACCATGGCAGAG  
 AAGGGCTATCAGCCCAAGCTTACGGACACCTCAGAATTGCTTGGGACTGACGTTGAGCACAGAGAAGCA  
 AACCGACTCACTACCGCTCCAGACAGTTGTACGGTGTGGTGCTGCCAGTGCTCAGGTTGCTGCTAGCT  
 AGTTGAGCCATACCTGTACAGGCACATCATGGGCCATAGATGTGAGGATGCCATGGGTGTGCAGCGTCCCC  
 TGAGAGCCCTTCTCACCCGACAGGCTTGGCTTCAAGTGCACCAGAGATCAGGAATGCTTTATAAGTAC  
 ATGTTAGAGTTAGTCTAAGAAGAAGTATGTTCCCTGACAGACAGGAGTACCATGACAGGAATACGTAGG  
 TTCTCTCATCTCACCTGTAGCTGTGAGCTCAGGGAGGACCAGCCACAGAGAGGAGGGAGCTGTTTAGGT  
 TTTCAAATTGCTGTTGAGAAGTTATTCTATTGAGGGCTCATAGGTCTTGGTGCAGTTATTGCCAGTTATG  
 AGCTGTGTAGCCCAAGGCCATGTGTGTACTGTGGAAGAGCTGGCAGTCTGGAGAGCCGGTGACAAAGG  
 CGCCCTTGTGGAAAGTGTGTGAGGGTACCCCTAGGGGTTGGGGTCTCAGCGTGGAGTACTTAACC  
 TTCCACTGTGTGGTCTCTGCCAGCTCCACACCACCAAGAAGAAAAGAATCCTACAGAGCACTTGAGC  
 CCAACATGTGCCACCCGAAAGAGTCTCAAGGTCACTTGGTTGGCTAGCCGACAAAGGAGAGGCTTGA  
 CTAGGGACCTCCTGTGTCTGTGGAAGCCAGTGTGCAGCCCATGGGAATTAAGTGCCCAAGAGAGCATG  
 TGACCCTGGAGAAATGGCATGAGACTCGGAATCACAGATGAGCTTGTCCCACTGTTAGATCCCAATACA  
 AGTGGCCATGGGTCTCATGGCGACAGTCGGGTTGTTATGGCTTGTATCTTTCCGTAGCCTTCTCGAGT  
 TGGCTTTCACCCCTATATTCCAGATTCTGCCACTCTAGCTGAATATACGGTGTGTTCTGTTTATGGG  
 AACCGAGAGTTTGCCTGGGCTCTGAGGGCTGTACTTCCCTTCCATCACGGAACCGGTTCTCAGCCTG  
 TTTCAATTTCTGCTGAGGTCCTTGGATGTGCCCCAGCTCTGTTTCCACTACACATTTGTGAGCACTCG  
 CCCTCGTCAAATGCTCACTAACTGAAGTAAAGCTATCTCAGTATCAAAAAAAAAAAAAAAAAAAAAAA A

**Restriction Sites:** AscI-NotI  
**ACCN:** NM\_029992  
**Insert Size:** 1383 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC043048</a> , <a href="#">AAH43048</a>
<b>RefSeq Size:</b>	3151 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	77832
<b>UniProt ID:</b>	<a href="#">Q3TVW5</a>
<b>Cytogenetics:</b>	5 F
<b>Gene Summary:</b>	Tumor suppressor which has the ability to inhibit cell growth and be pro-apoptotic during cell stress. 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 (By similarity). Is a negative regulator of ciliogenesis (By similarity).[UniProtKB/Swiss-Prot Function]