

## Product datasheet for **RN206076**

### **Tcn2 (NM\_022534) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tcn2 (NM\_022534) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tcn2  
**Synonyms:** Tc2; Tcn2p  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206076 representing NM\_022534  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGCTCTGAAGGCGTCTACTCCTGTCTGGAGTCTCGGGGCTCTTGCTGAATTCTGTGAATAC  
CAAAGATGGACGCCAGCTGGTAGAGAAGCTGGCCAGCGTCTTACCTTGGATGGATCGGCTTTCCTC  
AGAGCAGTTGAACCCAGCATCTACGTCGGCTCGGGCTTCCAGCATGCAGGCTGGGACCAAGGAGAAC  
CTCTACCTTCAACCTCAAACCTCCATTACCAGCAGTGCCTCCTGCGGTCCACCTCGAGTGATGATAACA  
GTGGTTGCCAGACTAAGATTTCTGGGGGACGTTGGCCCTCTACCTGCTTCTCAGGGCAACTGTGA  
GCTCCTGGGGAGCCGAAAGGGTACAGGATGGTCTCACAGCTCAAGTGGTCTTGAGGATGAGAAGAAG  
GCCATTGGGCACCATCATGAAGGCCACCCACACCAGCTATTACCAGTATGGCCTCAGTATCCTGGCCC  
TGTGCGTCCACCGAAGCGGGTCCATGACAGTGTGGTGGCAAGCTCCTGTATGCTGTTGAACATGACTA  
CTTTACCTACCAGGGCCACCTCTCTGTGGACACAGAAGCCATGGCCGGCTTGGCCTTACCTGTTGGAA  
CGATTCAATTTCAACTCTGACCTGAGACCACGGATCACCACGGCCATCGAGACAGTGCAGAGAAGATCC  
TGAAGGCCACGGCCCTGAGGGTACTTTGGAATATCTATAGCACTCCGCTGGCACTACAGATGCTAAT  
GACCTCTCCTGGGTAGGGCTGGGCCAGCTTGCCCTCAAGGCAAGGAAATCCCTGCTGCTCAGCCTACAG  
GATGGAGCCTTCCAGAATCCTATGATGATTTCCAGCTGCTACCCGTCCTGAACCAAGACCTACTTGA  
ATCTTATCTCCCAGACTGCCAGGCACCCAGGGTATGTTGGTGGCCGCACTGAGGACCCTGTCCACTT  
GTCAGAAGTCAGCGTCACGCTGAAGGTCTCCAGTGTCTTGCCACCATATGAACGAACAGTTTCCGCTTTT  
GCTGGGGCCTCCTTGAAGATGTCTGAAGAGGGCGGAGACCTTGAGAATTACAGTATGGGACCCAGG  
CCTCCTTGTGAGGTCCCTACCTGACATCCGTAAGGAAAGAAGCTGGGGATCGAGAATACTGGCAGCT  
TCTCCGAGTCCCTGATACCCCTCTGCTACAAGGCATTGCTGACTACAAACCAAGAACGGGGAAACCATC  
GAATTGGCGCTAGTTAGTAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_022534
<b>Insert Size:</b>	1284 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>	<u><a href="#">NM_022534.2</a>, <a href="#">NP_071979.2</a></u>
<b>RefSeq Size:</b>	1962 bp
<b>RefSeq ORF:</b>	1284 bp
<b>Locus ID:</b>	64365
<b>Cytogenetics:</b>	14q21
<b>Gene Summary:</b>	component of plasma cobalamin (Cbl; vitamin B12) transport to all cells [RGD, Feb 2006]