

## Product datasheet for **RN208024**

### Txnip (NM\_001008767) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Txnip (NM\_001008767) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Txnip  
**Synonyms:** Vdup1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN208024 representing NM\_001008767  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGATGTTCAAGAAGATCAAGTCTTTGAGGTGGTCTTCAACGACCCTGAGAAGGTGTATGGCAGCG  
 GGGAGAAGGTGGCCGGCCGGGTGACAGTGAAGTGTGAAGTTACCCGAGTCAAAGCCGTCAGGATCCT  
 GGCTTGGCGGTGGCCAAGGTCCTGTGGATGCAAGGGTCTCAGCAGTGCAAACAGACCTTGGACTACTTG  
 CGCTATGAAGACACCCTTCTCCTAGAAGACCAGCCTACAGGTGAGAACGAGATGGTGATCATGAGACCAG  
 GAAACAAATATGAGTACAAGTTCGGCTTTGAGCTTCTCAAGGGCCCTGGGAACATCCTCAAAGGGAA  
 ATATGGCTGTGTAGACTACTGGGTGAAGCTTTTCTCGATCGTCCAGCCAGCCAACTCAAGAGGCAAAAG  
 AAAAACTTTGAAGTGATGGATCTAGTGGACGTCAATACTCCTGACTTAATGGCACCAGTGTCTGCCAAAA  
 AGGAGAAGAAAGTTTCTGCATGTTCAATCCTGATGGACGCGTGTGAGTCTCCGCTCGAATCGACAGAAA  
 AGGATTCTGTGAAGGTGATGACATTTCCATCCACGCTGACTTTGAGAACACATGTTCCCGAATCGTGGTC  
 CCCAAAGCAGCTATTGTGGCCGGCACACTTACCTTGCCAATGGCCAGACCAAAGTGCTCACTCAGAAGC  
 TGTCTCAGTCAGAGGCAATCACATTATCTCAGGACTTGCGCATCATGGCGTGGCAAGAGTCTCCGAGT  
 GCAGAAGATCAGACCGTCCATTTCTGGGCTGCAACATCCTCAGAGTTGAATACTCCTTGCTGATCTATGTT  
 AGTGTCCCTGGCTCCAAGAAAGTCATCCTCGATCGCCCTAGTGATTGGCAGCAGGTGGGCTAAGCA  
 GCCGGACATCCAGCATGGCTAGCCGGACAAGCTCTGAAATGAGCTGGATAGACCTAAACATCCAGACAC  
 CCCAGAAGCTCCACCTTGCTATATGGACGTGATTCTGAAGATCACAGACTGGAGAGCCCCACCACCCCC  
 CTGCTAGATGATGGATGATTCTCAAGACAGCCCTATCTTTATGTACGCCCCGAGTTCAGTTTATGC  
 CTCGCCCACTTACACTGAGGTGGATCCCTGCGTCCTTAACAACAACAACAACACGTGCAG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja3486_e06.zip">https://cdn.origene.com/chromatograms/ja3486_e06.zip</a>
<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_001008767
<b>Insert Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
<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="#">NM_001008767.1</a> , <a href="#">NP_001008767.1</a>
<b>RefSeq Size:</b>	2771 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	117514
<b>UniProt ID:</b>	<a href="#">Q5M7W1</a>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	regulates thioredoxin to play an important role in the preservation of cellular viability [RGD, Feb 2006]