

## Product datasheet for **SC324458**

### TXNL1 (NM\_004786) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | TXNL1 (NM_004786) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | TXNL1                                  |
| Synonyms:                 | HEL-S-114; TRP32; TxI; TXL-1; TXNL     |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-AC (PS100020)                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |

Fully Sequenced ORF: >OriGene sequence for NM\_004786.1  
CCCCGCCCTCGGCCGCTCCGCTCCCTGGCGTGACTCGGCACTGAGAGTCCCAGGAGAA  
GACTCGGCGGTCCGACCTCTTCTGTCCAGGCCCTCGGCCTCCTGAGTATCTCTCTCC  
TCTCCCAGATCGTCTTCTCCTTCAGTTTCAAAGCCAGTGGCGTCCGCGCCACCCTGCCGG  
GCTCTCTGTGAGGATGGTGGGGTGAAGCCCGTGGGAGCGACCCGGATTCCAGCCAGA  
GCTGAGCGGCGGGGCTCCAGACTCGCCGTGGTCAAGTTCACCATGAGAGGGTGTGGCC  
ATGTTTGAGGATTGCCCCAGCATTCAAGTTCATGAGTAATAAATATCCACAGGCTGTTTT  
CTTGGAAGTCGATGTACATCAGTGTCCAGGAACAGCTGCCACCAACAATATATCAGCAAC  
ACCTACATTTTTGTTTTTTCGAAACAAAGTGAGAATTGATCAATATCAAGGAGCAGATGC  
TGTGGGATTAGAAGAAAAATCAAGCAGCACTTAGAAAAAGCCCTGGAAGCAATGAGGA  
CACAGATATCCAAAAGGCTATATGGATTTAATGCCTTTTATTAACAAAGCTGGTTGTGA  
ATGTCTTAATGAAAGTGATGAGCATGGATTTGACAAGTGTACGAAAAGACACAACCTT  
CTTGGAATCTGACTGTGATGAACAGCTGCTTATTACTGTGGCATTCAATCAACCTGTTAA  
GCTTTATTCCATGAAATTTCAAGGGCCAGATAATGGTCAGGGCCCTAAATATGTAATAAAT  
TTTTATCAACCTGCCCGATCTATGGATTTTGAAGAGGCGAAAGAGTGAACCAACTCA  
AGCTCTGGAAGTACAGAGGATGATATTAAGAAGATGGCATTGTTCCACTTCGTTATGT  
TAAGTTTCAGAAATGTTAACAGTGAACATATTTGTTCAAGTCAAGGTGAAGAGGA  
AACAAACAAGATTTTCATATTTACTTTTTATTGGTACTCCAGTCCAGGCAACAAATATGAA  
TGACTTCAAACGAGTAGTTGGCAAAAAAGGAGAAAGCCACTAAGGTACAAAAGCACTGG  
ACAACCATATTGCAATCAGATCTACAGCTCCTGGATAATTGCTTGATTCTCGCCAGAGAC  
TGCAATGTTTCATTGATTGCCATTACCAATAAATCATTGCTTTTGTTCAGATGGTATCA  
CTAGTGTTCATTGTAATCTTGACACATGCAATTGTAATAAAAAGTCCCACTTTTGCC  
AAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire  
ACCN: NM\_004786



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|-------------------------------|---|
| <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>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <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_004786.1</a> , <a href="#">NP_004777.1</a>   |
| <b>RefSeq Size:</b>           | 1285 bp   |
| <b>RefSeq ORF:</b>            | 870 bp  |
| <b>Locus ID:</b>              | 9352  |
| <b>UniProt ID:</b>            | <a href="#">O43396</a>  |
| <b>Cytogenetics:</b>          | 18q21.31  |
| <b>Domains:</b>               | thioered  |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Gene Summary:</b>          | Active thioredoxin with a redox potential of about -250 mV.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) represents the protein coding transcript.  |