

Product datasheet for **SC117145**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117145 sequence for NM_004786 edited (data generated by NextGen Sequencing) <pre> ATGGTGGGGTGAAGCCCGTCGGGAGCGACCCGGATTTCAGCCAGAGCTGAGCGGCGCG GGCTCCAGACTCGCCGTGGTCAAGTTCACCATGAGAGGGTGTGGGCCATGTTTGAGGATT GCCCCAGCATTCAAGTCTATGAGTAATAAATATCCACAGGCTGTTTTCTTGAAGTCGAT GTACATCAGTGTGAGGAACAGCTGCCACCAACAATATATCAGCAACACCTACATTTTGT TTTTTCGAAACAAAGTGAGAATTGATCAATATCAAGGAGCAGATGCTGTGGGATTAGAA GAAAAATCAAGCAGCACTTAGAAAAATGACCCTGGAAGCAATGAGGACACAGATATTCCA AAAGGCTATATGGATTTAATGCCTTTTATTAACAAAGCTGGTTGTGAATGTCTTAATGAA AGTGATGAGCATGGATTTGACAACTGTTTACGAAAAGACACAACCTTCTTGAATCTGAC TGTGATGAACAGCTGCTTATTACTGTGGCATTCAATCAACCTGTTAAGCTTTATTCCATG AAATTTCAAGGGCCAGATAATGGTCAGGGCCCTAAATATGTAAAAATTTTATCAACCTA CCCCGATCTATGGATTTTGAAGAGGCAGAAAGAAGTGAACCAACTCAAGCTCTGGAAGT ACAGAGGATGATATTAAGAAGATGGCATTGTTCCACTTCGTTATGTTAAGTTTCAGAAT GTTAACAGTGTAACATATTTGTTTCAGTCGAATCAAGGTGAAGAGGAAACAACAAGAATT TCATATTTTACTTTTATTGGTACTCCAGTCCAGGCAACAAATATGAATGACTTCAAACGA GTAGTTGGCAAAAAGGAGAAAGCCACTAA </pre>

Clone variation with respect to NM_004786.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004786 unedited
 GGGCAAATTTTGTNATACGACTCCTATAGGCGGCCGNAATCGGCACGAGGGTGACTCG
 GCACTGAGAGTCCCGGGAGAAGACTCGGCGGTGCGCACCTCTTCTGTCCAGGCCTCGGCC
 TTCCTGAGCATCTCTCTTCTCTCCAGATCGTCTTCTCCTTCAGTTTCAAAGCCAGTG
 GCGTCGCGGCCACCCTGCCGGGTCTCTGTGAGGATGGTGGGGTGAAGCCCGTCGGGAG
 CGACCCGATTTCAGCCAGAGCTGAGCGGCGCGGGCTCCAGACTCGCCGTGGTCAAGTT
 CACCATGAGAGGGTGTGGGCCATGTTTGAGGATTGCCCCAGATTCAAGTTCTATGAGTAA
 TAAATATCCACAGGCTGTTTTCTTGGAAGTCGATGTACATCAGTGTCAAGGAACAGCTGC
 CACCAACAATATATCAGCAACACCTACATTTTTGTTTTTCGAAACAAAGTGAGAATTGA
 TCAATATCAAGGAGCAGATGCTGTGGGATTAGAAGAAAAATCAAGCAGCACTTAGAAAA
 TGACCCTGGAAGCAATGAGGACACAGATATTCAAAAGGCTATATGGATTTAATGCCTTT
 TATTAACAAAGCTGGTTGTGAATGTCTTAATGAAAGTGATGAGCATGGATTTGACAACTG
 TTTACGAAAGACACAACCTTCTTGAATCTGACTGTGATGAACAGCTGCTTATTACTGT
 GGCATTCAATCAACCTGTTAAGCTTTATCCATGAAATTTCAAGGGCCACGATATGGTCA
 GGGCCCTANATATGTTNAAAATTTTATCAACCTACCCCGATCTATGGATTTTGAAGAGGC
 AGAAAGAAGTGACCAACTCAGCTCTGGACTGACAGAGATGATATAAAGAAGATGCCTTGT
 TCACTTCGTATGTTAGTTCAGATG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004786 unedited
 ACTATGCACCGCGGCCCGCATCCTCANAGTCGCAGTTTTTCTTTCTTTTTTCTGAA
 CAAAAGCAATGATTTATTGGTAATGGCAATGTAATGAAACATTGACAGTCTCTGGCGAGA
 ATCAAGCAATTATCCAGGAGCTGTAGATCTGATTGCAATATGGTTGTCCAGAGTCTTTTG
 TACCTTAATGGCTTTCTCTTTTTTGCCAACTACTCGTTTGAAGTCATTATTTGTTG
 CCTGGACTGGAGTACCAATAAAAGTAAATATGAAATTCTTGTTGTTTCTCTTACCTT
 GATTTCGACTGAACAAATATAGTTACACTGTTAACATTCTGAAACTTAACATAACCAAGTG
 GAACAATGCCATCTTCTTAATATCATCCTCTGTGAGTTCCAAAGCTTGAGTTGGTTTAC
 TTCTTTCTGCCTCTTCAAATCCATACATCGGGGTACGTGCGATAAACACCTTTACCTACT
 TAAGTCCCTGACCATTATATTGGCCCCTGAAATTTTATGGAATAAAGCCGAACACGTCC
 GACCCGCAATGCCACAGCAATACACAACCTGTTTATCACAACCCAACTCCAAAACGTTGC
 GATTTTCTTAAACCACATCCCAAACCTGCTCATCACTTTTATTTACACCCACCCACCAG
 TTTGTTACTAACAGGCACTACATCCAAAACCCCTCCTAATATCCGCGCACCCACCTGCC
 TCCACGCCACTCTTTAACTCGCGGTTGGCGTTTCACTCCCATCCCCATCCCCCCTT
 CTCCCCACTCGTCAACTCCCCACCTTCTTCCATAAACCAAACCGCCGCGCGCTCCCCG
 CTCCTATCCCTGCGCCCCCTTCCCCCTTACCCTCTCTTCCATCTTCTCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_004786

Insert Size:

1180 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:	<u>NM_004786.1, NP_004777.1</u>
RefSeq Size:	1285 bp
RefSeq ORF:	870 bp
Locus ID:	9352
UniProt ID:	<u>O43396</u>
Cytogenetics:	18q21.31
Domains:	thioredo
Protein Families:	Druggable Genome
Gene Summary:	Active thioredoxin with a redox potential of about -250 mV.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the protein coding transcript.