

Product datasheet for **SC321058**

TXNL2 (GLRX3) (NM_006541) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TXNL2 (GLRX3) (NM_006541) Human Untagged Clone
Tag: Tag Free
Symbol: TXNL2
Synonyms: GLRX4; GRX3; GRX4; PICOT; TXNL2; TXNL3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006541.2
GCTTCTGTCTGGCGGCGGCAGCATGGCGGCGGGGCGGCTGAGGCAGCTGTAGCGGCCGT
GGAGGAGGTCGGCTCAGCCGGGCAGTTTGAGGAGCTGCTGCGCCTCAAAGCCAAGTCCCT
CCTTGTGGTCCATTTCTGGGCACCATGGGCTCCACAGTGTGCACAGATGAACGAAGTTAT
GGCAGAGTTAGCTAAAGAACTCCCTCAAGTTTCATTTGTGAAGTTGGAAGCTGAAGGTGT
TCCTGAAGTATCTGAAAAATATGAAATTAGCTCTGTTCCCACTTTTCTGTTTTTCAAGAA
TTCTCAGAAAAATCGACCGATTAGATGGTGCACATGCCCCAGAGTTGACCAAAAAAGTTCA
GCGACATGCATCTAGTGGCTCCTCCTACCCAGCGCTAATGAACATCTTAAAGAAGATCT
CAACCTTCGCTTGAAGAAATTGACTCATGCTGCCCCCTGCATGCTGTTTATGAAAGGAAC
TCCTCAAGAACCACGCTGTGGTTTCAGCAAGCAGATGGTGGAAATTCCTCACAAACATAA
TATTCAGTTTAGCAGTTTGTATCTTCTCAGATGAAGAGTTTCGACAGGGACTCAAAGC
CTATTCAGTTGGCTACCTATCCTCAGCTCTATGTTTCTGGAGAGCTCATAGGAGGACT
TGATATAATTAAGGAGCTAGAAGCATCTGAAGAACTAGATACAATTTGTCCCAAAGCTCC
CAAATTAGAGGAAAGGCTCAAAGTGCTGACAAATAAAGCTTCTGTGATGCTCTTTATGAA
AGGAAACAAACAGGAAGCAAAATGTGGATTGAGCAAAACAAATCTGGAATACTAAATAG
TACTGGTGTGAATATGAAACATTCGATATATTGGAGGATGAAGAAGTTCGGCAAGGATT
AAAAGCTTACTCAAATTTGGCCAACATACCCTCAGCTGTATGTGAAAGGGGAGCTGGTGGG
AGAAATTAATAAATCTTAAACTTGGTGCCCACTATTGTAAGAAATATTTAATTACATT
GGGAGCAGTTCATGATTTAGTCCTCAGAAATGGACTAGGAATAGAAAAATCCTGCTTCT
CAGTTACATGTTTTGTGATTTTCAATGTCGTGCTAAATAAATGTATGTTACATTTTTT
TCCCACAAAAATAGAATGCAATAAACATCTTCAAATTATTAACGAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_006541



[View online »](#)

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).
OTI Annotation:	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.
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:	<ol style="list-style-type: none">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_006541.2, NP_006532.2</u>
RefSeq Size:	1275 bp
RefSeq ORF:	1008 bp
Locus ID:	10539
UniProt ID:	<u>O76003</u>
Cytogenetics:	10q26.3
Domains:	thioered
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a member of the glutaredoxin family. Glutaredoxins are oxidoreductase enzymes that reduce a variety of substrates using glutathione as a cofactor. The encoded protein binds to and modulates the function of protein kinase C theta. The encoded protein may also inhibit apoptosis and play a role in cellular growth, and the expression of this gene may be a marker for cancer. Pseudogenes of this gene are located on the short arm of chromosomes 6 and 9. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>