

Product datasheet for **SC331385**

TXNL2 (GLRX3) (NM_001199868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TXNL2
Synonyms:	GLRX4; GRX3; GRX4; PICOT; TXNL2; TXNL3
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331385 representing NM_001199868. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGGGGGGGGGCTGAGGCAGCTGTAGCGCCGTGGAGGAGGTGGCTCAGCCGGGCAGTTTGAG
GAGCTGCTGCGCCTCAAAGCCAAGTCCCTCCTTGTGGTCCATTTCTGGGCACCATGGGCTCCACAGTGT
GCACAGATGAACGAAGTTATGGCAGAGTTAGCTAAAGAACTCCCTCAAGTTTCATTTGTGAAGTTGGAA
GCTGAAGGTGTTCTGAAGTATCTGAAAAATAGCTCTGTTCCCACTTTTCTGTTTTTCAAG
AATTCTCAGAAAAATCGACCGATTAGATGGTGCACATGCCCCAGAGTTGACCAAAAAAGTTCAGCGACAT
GCATCTAGTGGCTCCTTCTACCCAGCGCTAATGAACATCTTAAAGAAGATCTCAACCTTCGCTTGAAG
AAATTGACTCATGCTGCCCCCTGCATGCTTTATGAAAGGAACCTCAAGAACCACGCTGTGGTTTC
AGCAAGCAGATGGTGGAAATTTCTCACAAACATAATATTCAGTTTAGCAGTTTGTATCTTCTCAGAT
GAAGAGGTTTCGACAGGGACTCAAAGCCTATTCCAGTTGGCCTACCTATCCTCAGCTCTATGTTTCTGGA
GAGCTCATAGGAGGACTTGATATAATTAAGGAGCTAGAAGCATCTGAAGAACTAGATACAATTTGTCCC
AAAGCTCCCAAATTAGAGGAAAGGCTCAAAGTGTGACAAATAAGCTTCTGTGATGCTCTTTATGAAA
GGAAACAAACAGGAAGCAAAATGTGGATTGAGCAAAATAAGCTTCTGTGATGCTCTTTATGAAA
GAATATGAAACATTCGATATATTGGAGGATGAAGAAAGTTCGGCAAGGATTAAGCTTACTCAAATTGG
CCAACATACCTCAGCTGTATGTGAAAGGGGAGCTGGTGGGAGGATTGGATATTGTGAAGGAAGTGA
GAAATGGTGAATTGCTGCCTATACTGAGAGGAGAAATTA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001199868
Insert Size:	1008 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001199868.1
RefSeq Size:	1365 bp
RefSeq ORF:	1008 bp
Locus ID:	10539
UniProt ID:	O76003
Cytogenetics:	10q26.3
Protein Families:	Druggable Genome
MW:	37.4 kDa
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.