

Product datasheet for **SC306027**

TXNL6 (NXNL1) (NM_138454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNL6 (NXNL1) (NM_138454) Human Untagged Clone
Tag:	Tag Free
Symbol:	TXNL6
Synonyms:	RDCVF; TXNL6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC306027 sequence for NM_138454 edited (data generated by NextGen Sequencing)

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ATGGCCTCCCTGTTCTCTGGCCGCATCCTGATCCGCAACAATAGCGACCAGGACGAGCTG
GATACGGAGGCTGAGGTCAGTCGCAGGCTGGAGAACCGGCTGGTGCTGCTTTTGGT
GCTGGGGCTTGCCACAGTGCCAGGCCTTCGTGCCATCCTCAAGGACTTCTTCGTGCGG
CTCACAGATGAGTTCTATGTA CTGCGGGCGGCTCAGCTGGCCCTGGTGTACGTGTCCCAG
GACTCCACGGAGGAGCAGCAGGACCTGTTCTCAAGGACATGCCAAAGAAATGGCTTTTC
CTGCCCTTTGAGGATGATCTGAGGAGGGACCTCGGGCGCCAGTTCTCAGTGGAGCGCCTG
CCGGCGGTCTGGTGCTCAAGCCGGACGGGGACGTGCTCACTCGCGACGGCGCCGACGAG
ATCCAGCGCTGGCACCCTGCTTCGCCAACTGGCAGGAGGCGGCGGAGGTGCTGGAC
CGCAACTTCCAGTGCCAGAGGACCTGGAGGACCAGGAGCCACGGAGCCTCACCGAGTGC
CTGCGCCGCCACAAGTACCGCGTGGAAAAGGCGCGCGAGGCGGGCGCGACCCCGGGGA
GGGGTGGGGAGGAGGGCGGGGGCCGGGGGCTGTTCTGA

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Clone variation with respect to NM_138454.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138454 unedited GCTCACAAGCTTGTACCAAAAAGCCAGGCTTGTAAACGACGGCCAAGTAACCTATAACGG TCCTAAGGTAGCGAGGCCCTGGGTGGCGCCGGGGACCACACGCCGCGCTGTCCCCAGCAC CCAACCCAGGTTACCATGGCCTCCCTGTTCTCTGGCCGCATCCTGATCCGCAACAATAGC GACCAGGACGAGCTGGATACGGAGGCTGAGGTCAGTCGCAGGCTGGAGAACCGGCTGGTG CTGCTGTTCTTTGGTGTGGGGCTTGCCACAGTGCCAGGCCTTCGTGCCATCCTCAAG GACTTCTTCGTGCGGCTCACAGATGAGTTCTATGTACTGCGGGCGGCTCAGCTGGCCCTG GTGTACGTGTCCCAGGACTCCACGGAGGAGCAGCAGGACCTGTTCTCAAGGACATGCCA AAGAAATGGCTTTTCTGCCCTTTGAGGATGATCTGAGGAGGGACCTCGGGCGCCAGTTC TCAGTGGAGCGCTGCCGGCGTCTGGTGTCTAAGCCGGACGGGGACGTGCTCACTCGC GACGGCGCCGACGAGATCCAGCGCTGGGCACCGCCTGCTTCGCCAACTGGCAGGAGGCG GCCGAGGTGCTGGACCGCAACTCCAGCTGCCAGAGGACCTGGAGGACCAGGAGCCACGG AGCCTCACCGAGTGCCTGCGCCGCCACAAGTACCGCGTGAAAAAGCGGCGGAGGCGGG CGCGACCCCGGAAGGGT
Restriction Sites:	NotI-NotI
ACCN:	NM_138454
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:	NM_138454.1 , NP_612463.1
RefSeq Size:	948 bp
RefSeq ORF:	639 bp
Locus ID:	115861
UniProt ID:	Q96CM4
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome

Gene Summary:

Retinitis pigmentosa (RP) is a disease that leads to blindness by degeneration of cone photoreceptors. Rods produce factors required for cone viability. The protein encoded by this gene is one of those factors and is similar to a truncated form of thioredoxin. This gene has been proposed to have therapeutic value against RP. [provided by RefSeq, Dec 2015]