

Product datasheet for **RG204346**

TXNL6 (NXNL1) (NM_138454) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNL6 (NXNL1) (NM_138454) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TXNL6
Synonyms:	RDCVF; TXNL6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204346 representing NM_138454 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCCCTGTTCTCTGGCCGCATCCTGATCCGCAACAATAGCGACCAGGACGAGCTGGATACGGAGG
 CTGAGGTCAGTCGCAGGCTGGAGAACCGGCTGGTGCTGCTGTTCTTTGGTGCTGGGGCTTGTCACAGTG
 CCAGGCCCTTCGTGCCATCCTCAAGGACTTCTTCGTGCGGCTCACAGATGAGTTCTATGTACTGCGGGCG
 GCTCAGCTGGCCCTGGTGTACGTGTCCAGGACTCCACGGAGGAGCAGCAGGACCTGTTCTCAAGGACA
 TGCCAAAGAAATGGCTTTTCTGCCCTTTGAGGATGATCTGAGGAGGGACCTCGGGCGCCAGTTCTCAGT
 GGAGCGCCTGCCGGCGGTGCTGCTCAAGCCGACGGGGACGTGCTCACTCGCGACGGCGCCGACGAG
 ATCCAGCGCCTGGGCACCGCCTGCTTCGCCAAGTGGCAGGAGGCGGCGGAGGTGCTGGACCGCAACTTCC
 AGCTGCCAGAGGACCTGGAGGACCAGGAGCCACGGAGCCTCACCGAGTGCCTGCGCCGCCACAAGTACCG
 CGTGGAAGAGGCGCGCAGGCGGGCGCGACCCGGGGGAGGGGGTGGGAGGAGGGCGGGGCCGGGGG
 CTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG204346 representing NM_138454
 Red=Cloning site Green=Tags(s)

MASLFSGRILIRNNSDQDELDTAEVSRRLLENRLVLLFFGAGACPQCQAFVPILKDDFFVRLTDEFYVLR
 AQLALVYVSQDSTEEQQDLFLKDMPPKWLFLPFEDDLRRDLGRQFSVERLPVVVLKPDGDVLRDGADE
 IORLGTACFANWQEAEEVLDRNFQLPEDLEDQEPRSLTECLRRHKYRVEKAARGGRDPGGGGGEEGGAGG
 LF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138454

ORF Size: 636 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_138454.2](#)

RefSeq Size: 948 bp

RefSeq ORF: 639 bp

Locus ID: 115861

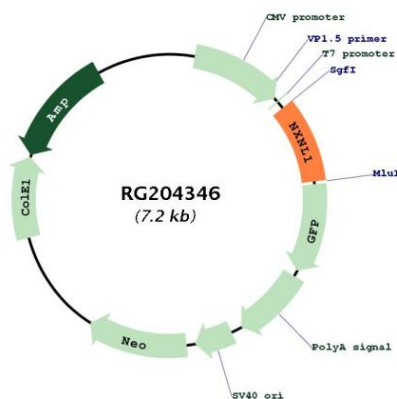
UniProt ID: [Q96CM4](#)

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]

Product images:



Circular map for RG204346