

Product datasheet for **SC117939**

ZNF177 (NM_003451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF177 (NM_003451) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF177
Synonyms:	PIGX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003451, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCAGGGTGGCTGACAACCTGGTCACAGAAGCTCAGTAACCTCCAGGAAGTGGCAGTGGACTTTT
CCCAGGAGGAGTGGGCATTGCTGGACCCTGCTCAAAAAATCTATACAAAGATGTGATGCTGGAGAAGT
TAGGAACCTGGCCTCAGTAGGGTATCAGCTCTGCAGACACAGTCTGATCTCCAAGGTGGATCAAGAACAG
CTGAAGACAGATGAAAGAGGAATTTTACAAGGTGACTGTGCAGACTGGGAACTCAACTAAACAAAAG
ATACAATTGCTATGCAGAACATTCCTGGGGAAAAACATCCAATGGCATAAACACGAACTGTGTCAGAAC
TCACTCTGGAGAGATGCCCTATGAATGCAGTACTGTGGGAAAGCCTTCATTTTTAGTCTTCCCTTAAG
AAACACATGAGATCTCATACTGGAGAGAAGCCTTATGAGTGTGATCACTGTGGAAAATCCTTAGCCAGA
GCTCTCATCTGAATGTGCACAAAAGAACTCACACTGGAGAGAAACCTATGACTGTAAAGGAATGTGGGAA
GGCTTTCAGTGTTCCTTCATCCCTTCAGAAACATGTGAGAACCCACACTGGAGAGAAACCTATGAATGC
AGTGACTGTGGAAAAGCCTTCATCGATCAGTCATCCCTTAAGAAACACACACGCTCTCACACTGGAGAGA
AGCCTTATGAGTGTAAACAGTGTGGAAAGTCCTTCAGCACAGGCTCTTACCTTATTGTGCACAAGAGAAC
TCACACTGGTGAAGAAACCTATGAGTGTAAAGAATGTGGGAAAGCCTTTAGGAATTCCTCTGCCTGAGG
GTACACGTGAGAACTCACACTGGAGAGAAGCCTTATAATGTATTCAAGTGTGAAAAGCCTTTAGCACAA
GCCTAACCTTATAATGCACAAGCGAATCCACAATGGCCAGAACTCCATGAATGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003451 unedited
 NGTCGGNATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGNANAAAACG
 TCGAGTATCTACAAGCAACCTTTCACTGTTATTTTCAGGGCTGGGTATAAGTAAGCAAGA
 AGAGGGCTGGGAGAAGAGTCTGACGAGCAAGGGGAAGGTAGCCAAGGATGGAGTGAAAT
 ACAGGGTGACCTGTGTTTTCCCTGGCTGCTTTGGAAATATGGGAAAAAATCAAATAC
 CAAGGAAGAAAAATCTATAATGAAATTAGATGTGGATTTCTTTTTATGTATTCAGCTTGG
 GGGCTTATGATACTTCTAGTACCCAAGAGATGCGGTCTTGCTGTGTTGCCTAGGCTGGT
 CTCAAACCTCCTGCTCTCAAGTGATCCTCCTGCCTCAGCCTCCTGAGTACATTTATATTTA
 AAGTAATTATTGATGGCTCTGCCTGCTTAGGACTCTGCCAGCCAGGAAGGAAACCTACA
 GGAGGAAGAATGGCTGCAGGGTGGCTGACAACCTGGTCACAGAACTCAGTAACCTTCCAG
 GAAGTGGCAGTGGACTTTTCCAGGAGGAGTGGGCATTGCTGGACCCTGCTCAAAAAAT
 CTATACAAAGATGTGATGCTGGAGAACTTAGGAACTGGCCTCAGTAGGGTATCAGCTC
 TGCAGACACAGTCTGATCTCCAAGGTGGATCAAGAACAGCTGAAGACAGATGANAGAGGA
 ATTNTACAAGGTGACTGTGCAGACTGGGAAAACCTACTANACCANNAGAACANTTGCAT
 GCAGAACATTCTGGGGGAAAACTCCATGGCATANACACGCAGAAATCACCTGGTGAGC
 ACTCCTGGAGTGTACCATTTGTTGGAATCAGAAAGACCTCGTTTATTGTACAGATATGCA
 G

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003451 unedited
 GCCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGAACAAATGGTAAATT
 TTATTACTTTAAGAAAGAAGGGAGGAATGGATATTGAGACAGCAACTAGTTCTGTCTGCC
 ACAGTACATCAGTCAGTGTCCAGCAATTATGTTCAAATCTATGTCACACAGAATCTACAT
 ATTGAAGACCATGTGTTCTGTTTACAATGCAATTAACCTGAAAAGATAACTAAAAATTC
 ATAGGATCTACAGTTGTGACACATATAAGAATGAAATACTCACTGATAAAAACAATCATA
 GCTATAACATTTATAAGGTTTGTCCAGTATAACAGGCATCCAGAGTTGGGCCAGAAGGC
 TGTTTCCAGGTGACCATAACAGGGCTTCTCTCAAATATATGTTCTAAAGTGAGAAAGGAG
 GCATGAGGGGCAACAAACTTCCCTGAGTCATTTCAATCATGGAGTTTCTGGCCATTGT
 GGATTCGCTTGTGCATTAAAGGTTAGTGCTTGTGCTAAAGGCTTTTTACACTGAATAC
 ATTTATAAGGCTTCTCTCCAGTGTGAGTTCTCACGTGTACCCTCAGGCAAGAGGAATTCC
 TAAAGGCTTCCACATTTCTTACACTCATAGGTTNTCTACCAGTGTGAGTTCTCTTGT
 GCACAATAAGGTAAGAGCCTGTGCTGAAGGACTTCCACTGTTTACACTCATAAAGGGC
 TCTCTCCAGTGTGAGAGCGTGTGTTTTCTTAAGGGATGACTGATCGATGAAGGCTTTTC
 CACAGTCACTGCATTCATAAGGTTTCTCTCCAGTGNTGGGGTCTCACATGTTTCTGAAGG
 GATGAAGGNACAGTGAANGCCTTCCACATTTCTACAGTCATAGGTTTCTCTCCAGTGTG
 AGTTCTTTGTGCCATCAGAGAGAGCTCTGCTAAGGATTTCCAATGATACCTC

Restriction Sites:

NotI-NotI

ACCN:

NM_003451

Insert Size:

2350 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:	<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_003451.1</u> , <u>NP_003442.1</u>
RefSeq Size:	1839 bp
RefSeq ORF:	966 bp
Locus ID:	7730
UniProt ID:	<u>Q13360</u>
Cytogenetics:	19p13.2
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) represents additional exons in the 5' UTR, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a. A ZNF559-ZNF177 read-through variant, as represented by GeneID:100529215, also encodes isoform b. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.