

Product datasheet for **RG204451**

ZNF177 (NM_003451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF177
Synonyms:	PIGX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204451 representing NM_003451
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCAGGGTGGCTGACAACCTGGTCACAGAACTCAGTAACCTTCCAGGAAGTGGCAGTGGACTTTT
CCCAGGAGGAGTGGGCATTGCTGGACCCTGCTCAAAAAATCTATACAAAGATGTGATGCTGGAGAAGTT
TAGGAACCTGGCCTCAGTAGGGTATCAGCTCTGCAGACACAGTCTGATCTCCAAGGTGGATCAAGAACAG
CTGAAGACAGATGAAAGAGGAATTTTACAAGGTGACTGTGCAGACTGGGAACTCAACTTAAACCAAAAG
ATACAATTGCTATGCAGAACATTCTGGGGGAAAAACATCCAATGGCATAAACACGAACTGTGTCAGAAC
TCACTCTGGAGAGATGCCCTATGAATGCAGTGAAGTGGGAAAGCCTTCATTTTTCAGTCTTCCCTTAAG
AAACACATGAGATCTCATACTGGAGAGAAGCCTTATGAGTGTGATCACTGTGGAAAACTTTAGCCAGA
GCTCTCATCTGAATGTGCACAAAAGAACTCAGTGGAGAGAAACCTATGACTGTAAGGAATGTGGGAA
GGCTTTCACTGTTCTTCATCCCTTCAGAAACATGTGAGAACCCACACTGGAGAGAAACCTATGAATGC
AGTGAAGTGTGGAAAGCCTTCATCGATCAGTCAATCCCTTAAGAAACACACACGCTCTCACACTGGAGAGA
AGCCTTATGAGTGTAAACAGTGTGGAAAGTCTTCAGCACAGGCTCTTACCTTATTGTGCACAAGAGAAC
TCACACTGGTGAGAAAACCTATGAGTGTAAAGAAATGTGGGAAGGCTTTAGGAATTCCTCTTGCCTGAGG
GTACACGTGAGAACTCAGTGGAGAGAAAGCCTTATAAATGTATTCAAGTGTGAAAAAGCCTTAGCACAA
GCACTAACCTTATAATGCCAAGCGAATCCACAATGGCCAGAACTCCATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204451 representing NM_003451
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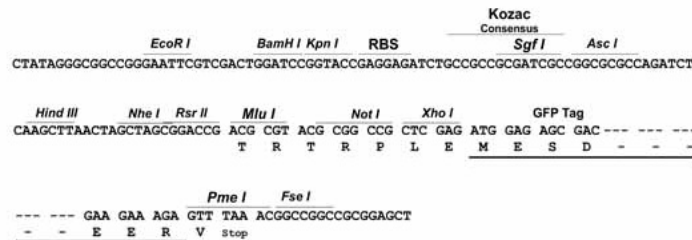
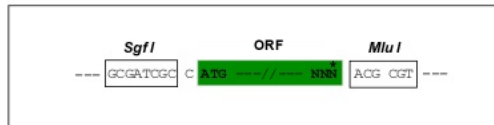
MAAGWLTTSQNSVTFQEVAVDQSQEEWALLDPAQKNLYKDVMLENFRNLASVGYQLCRHSLISKVDQEQ
 LKTDERGILQGDCAWETQLKPKDTIAMQNIIPGGKTSNGINTNCVRTHSGEMPYECSDCGKAFIFQSSLK
 KHMRSHTEKPYECDHCGKSFSSSHLNVHKRTHTEKPYDCKEKGKAFVPSLQKHVRTHTEKPYEC
 SDCGKAFIDQSSLKKHTRSHTEKPYECNQCGKSFSTGSLIVHKRTHTEKTYECKEKGKAFRNSCLR
 VHVTRTHTEKPYKCIQCEKAFSTSTNLIMPRIHNGQKLHE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_003451

ORF Size: 963 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003451.1](#), [NP_003442.1](#)

RefSeq Size: 1839 bp

RefSeq ORF: 966 bp

Locus ID: 7730

UniProt ID: [Q13360](#)

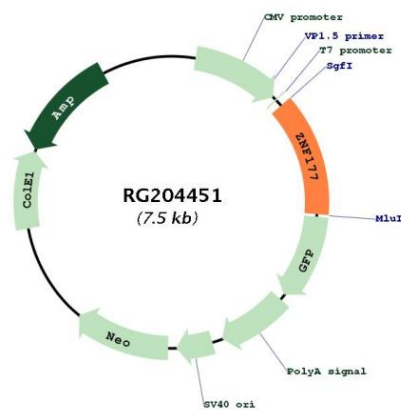
Cytogenetics: 19p13.2

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204451