

## Product datasheet for **RC230277**

### ZNF37A (NM\_001178101) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF37A (NM_001178101) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF37A
Synonyms:	KOX21; ZNF37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230277 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCACATCCCAGGGATCAGTGTCTGTTAGGGATGTACTGTGGGCTTCACTCAAGAGGAGTGGCAGC  
 ATCTGGACCCTGCTCAGAGGACCCTGTACAGGGATGTGATGCTGGAGAACTACAGCCACCTTGTCTCAGT  
 AGGGTATTGCATTCTAAACCAGAAGTGATTCTCAAGTTGGAGAAAGCGAGGAGCCATGGATATTAGAG  
 GAAAAATTTCAAAGCCAGAGTCACTCTGGAATTAATTAATACCAGTAGAACTATTCAATAATGAAGTTCA  
 ATGAGTTTAAACAAGGTGGAAAAATGTTTCTGTGATGAAAAGCATGAAATAATTCATTCTGAAGAGGAACC  
 TTCTGAATATAATAAAAAATGGGAACAGCTTCTGGCTGAATGAAGACCTCATTGGCATCAGAAAAATAAA  
 AATTGGGAACAATCTTTGAATACAATGAATGTGGGAAAGCTTCCCTGAGAATCACTCTTCTGTGAC  
 ATAAGAGAGGTTACACAGGACAGAAAACCTGCAAAATACTGAACATGGGAAAACCTGTGATATGCATT  
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 GAGGAATCCATTCTCTTGAACATCAGAGTGTTTACCCATTACAGCCAGAAGTTAAATCTCACTCCAATTC  
 AGAGAACCCTCAATTAACAATATTATTGAATATAATGAGTGTGGAAACATTTTTCACTGAAAAATTAGT  
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 AGACAGAAACCTATGGATGTAATCAATGTGGAAAATCATTCTGTGTGAAGTCAAACTCATTGCACATC  
 ATAGAACACACACAGGGGAGAAACCTATGAATGTAATGTTTGTGGAAAATCATTCTATGTTAAGTCAA  
 ACTAAGTGTACATCAGAGAATACACTTGGGAGAAACCTATAAATGTAGTAAACGAGGGAAATTAATCT  
 GGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230277 protein sequence  
 Red=Cloning site Green=Tags(s)

MITSQGSVSFRDVTVGFTQEEWQHLDPAQRRLYRDVMLENYSHLVSVGYCIPKPEVILKLEKGEEPWILE  
 EKFPSQSHLELINTSRNYSIMKFNEFNKGGKCFCEKHEIIHSEEEEPSEYNKNGNSFWLNEDLIWHQKIK  
 NWEQSFEYNECGKAFPENSLFLVHKRGYTGKTKYTEHGKTCDSFFITHQQTHPRENHYGNECGENIF  
 EESILLEHQSVPFSQKLNLTPIQRTHSINNIIEYNECGTFFSEKLVHLQQRTHTEKPYECHECGKTF  
 TQKSAHTRHQRTHTGKPYECHECGKTFYKNSDLIKHQRIHTGERPYGCHCGKSFSEKSTLTQHQRTH  
 GEKPYECHECGKTF SFKSVLTVHQKTHTEKPYECYACGKAFLRKSLLIKHQRIHTGEKPYECNECGKSF  
 SEKSTLTKHLRTHTEKPYECIQCGKFFCYSGFTEHLRRHTGEKPFGCNECGKTFRQKSALIVHQRTHI  
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 G

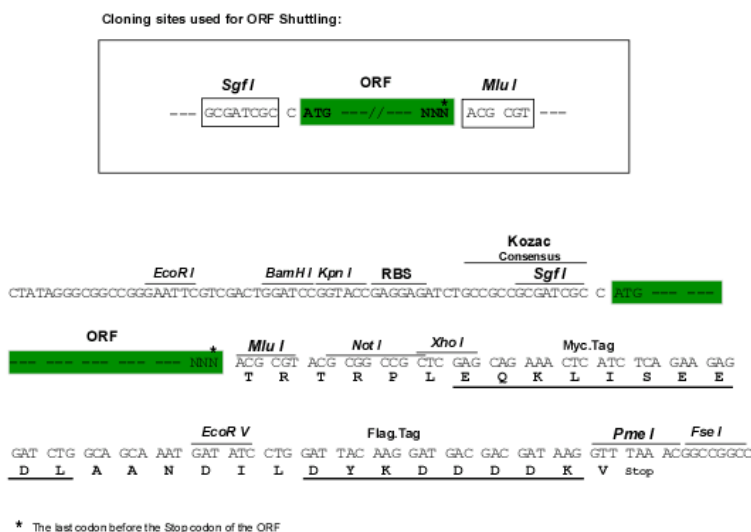
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6574\\_b08.zip](https://cdn.origene.com/chromatograms/mk6574_b08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001178101

**ORF Size:** 1683 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\\_001178101.1](#), [NP\\_001171572.1](#)

**RefSeq Size:** 6580 bp

**RefSeq ORF:** 1686 bp

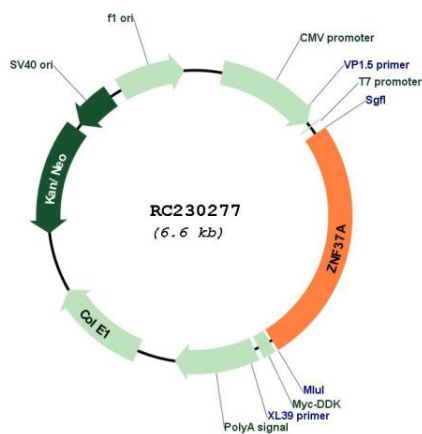
**Locus ID:** 7587

**UniProt ID:** [P17032](#)

**Cytogenetics:** 10p11.1

**Protein Families:** Transcription Factors  
**MW:** 65.4 kDa  
**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC230277