

## Product datasheet for **RC214040**

### ZNF37A (NM\_003421) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF37A (NM_003421) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC214040 representing NM\_003421  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCACATCCCAGGGATCAGTGTCTGTTAGGGATGTGACTGTGGGCTTCACTCAAGAGGAGTGGCAGC  
 ATCTGGACCTGCTCAGAGGACCCTGTACAGGGATGTGATGCTGGAGAACTACAGCCACCTTGTCTCAGT  
 AGGGTATTGCATTCTAAACCAGAAGTGATTCTCAAGTTGGAGAAAGCGAGGAGCCATGGATATTAGAG  
 GAAAAATTTCAAAGCCAGAGTCATCTGGAATTAATTAATACCAGTAGAACTATTCAATAATGAAGTTCA  
 ATGAGTTTAAACAAGGTGAAAAATGTTTCTGTGATGAAAAGCATGAAATAATTCATTCTGAAGAGGAACC  
 TTCTGAATATAATAAAAAATGGGAACAGCTTCTGGCTGAATGAAGACCTCATTGGCATCAGAAAAATAAA  
 AATTGGGAACAATCTTTGAATACAATGAATGTGGGAAAGCTTCCCTGAGAATCACTCTTCTGTGAC  
 ATAAGAGAGGTTACACAGGACAGAAAACCTGCAAAATACTGAACATGGGAAAACCTGTGATATGCATT  
 TTTCACTACTCATCAGCAACACATCCAAGAGAAAACCACTATGGTAATGAATGTGGAGAAAATATCTTT  
 GAGGAATCCATTCTCTTGAACATCAGAGTGTTTACCCATTACAGCCAGAAGTTAAATCTCACTCCAATTC  
 AGAGAACCCTCAATTAACAATATTATTGAATATAATGAGTGTGGAAACATTTTTCACTGAAAAATTAGT  
 CCTTCAATTTACAACAGAGAACACATACAGGAGAAAAACCTTATGAATGTCATGAATGTGGAAAAACCTTC  
 ACCCAGAAGTCAGCCACACAAGACATCAGAGAACACACAGGGGGAAAAACCTATGAATGTGATGAAT  
 GTGGGAAGACCTTCTATAAGAATTCAGACCTCATTAAACATCAAAGAATTCATACAGGGGAGAGACCTTA  
 TGGATGTCATGAATGTGGGAAATCCTTCAGTGAAGTCAACCTTACTCAACATCAAAGAAGCACACACA  
 GGGGAGAAACCATATGAATGTCATGAATGTGGGAAAACCTTCTCATTAAAGTCAGTCTTACTGTGCATC  
 AGAAAACACACACAGGGGAGAAGCCCTATGAATGCTATGCATGTGGGAAAGCCTTCTCAGAAAAATCAGA  
 CCTCATTAAACATCAAAGAATACACACAGGTGAAAAACCTTATGAATGAATGAATGTGGGAAAGTCATT  
 TCTGAGAAGTCAACCTTACTAAACATCTAAGAACTCACACAGGTGAGAAACCTTATGAATGATTCAGT  
 GTGGAAAAATTTTCTGCTACTACTCCGGTTTACAGAACATCTGAGAAGACACACAGGGGAGAAACCTTT  
 TGGATGTAATGAATGTGGGAAAACCTTCCGTCAGAAAGTCAGCCCTAATTGTTCCACAGAGAACTCATATA  
 AGACAGAAACCTATGGATGTAATCAATGTGGAAAATCATTCTGTGTGAAGTCAAACTCATTGCACATC  
 ATAGAACACACACAGGGGAGAAACCTATGAATGTAATGTTTGTGGAAAATCATTCTATGTTAAGTCAA  
 ACTAAGTGTACATCAGAGAATACACTTGGGAGAAACCTATAAATGTAGTAAACGAGGGAAATTAATCT  
 GGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC214040 representing NM\_003421  
 Red=Cloning site Green=Tags(s)

MITSQGSVSRDVTVGFTQEEWQHLDPAQRRLYRDVMLENYSHLVSVGYCIPKPEVILKLEKGEEPWILE  
 EKFPSQSHLELINTSRNYSIMKFNEFNKGGKCFDEKHEIIHSEEEEPSEYNKNGNSFWLNEDLIWHQKIK  
 NWEQSFEYNECGKAFPENSLFLVHKRGYTGQKTKYTEHGKTCDSFFITHQQTHPRENHYGNECGENIF  
 EESILLEHQSVYPFSQKLNLTPIQRTHSINNIIEYNECGTFFSEKLVHLQQRTHTGEKPYECHECGKTF  
 TQKSAHTRHQRTHTGKPYECHECGKTFYKNSDLIKHQRIHTGERPYGCHCGKSFSEKSTLTQHQRTH  
 GEKPYECHECGKTF SFKSVLTVHQKTHTGEKPYECYACGKAFLRKSDLIKHQRIHTGEKPYECNECGKSF  
 SEKSTLTKHLRTHTGEKPYECIQCGKFFCYYSGFTEHLRRHTGEKPFGCNECGKTFRQKSALIVHQRTHI  
 RQKPYGCNQCGKSFVKSCLIAHHRTHTGEKPYECNVCGKSFYVKSCLTVHQRHILGRNPINVVNEGNYS  
 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\_003421

**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\\_003421.3](#)

**RefSeq Size:** 6573 bp

**RefSeq ORF:** 1686 bp

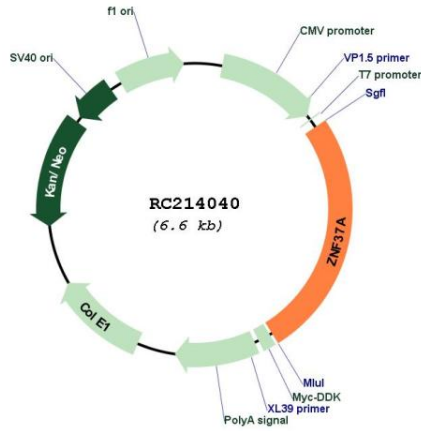
**Locus ID:** 7587

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

**Cytogenetics:** 10p11.1

Protein Families: Transcription Factors  
 MW: 65.2 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC214040