

Product datasheet for **RG205630**

ZNF37A (NM_001007094) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF37A
Synonyms:	KOX21; ZNF37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205630 representing NM_001007094
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATCACATCCCAGGGATCAGTGTCTGTTAGGGATGTGACTGTGGCTTCACTCAAGAGGAGTGGCAGC
 ATCTGGACCTGCTCAGAGGACCCTGTACAGGGATGTGATGCTGGAGAACTACAGCCACCTTGTCTCAGT
 AGGGTATTGCATTCTAAACCAGAAGTGATTCTCAAGTTGGAGAAAGCGAGGAGCCATGGATATTAGAG
 GAAAAATTTCCAAGCCAGAGTCATCTGGAATTAATTAATACCACTAGAACTATTCAATAATGAAGTTCA
 ATGAGTTTAAACAAAGGTGGAAATGTTTCTGTGATGAAAGCATGAAATAATTCATTCTGAAGAGGAACC
 TTCTGAATATAATAAAAAATGGGAACAGCTTCTGGCTGAATGAAGACCTCATTTGGCATCAGAAAAATTA
 AATTGGGAACAATCTTTGAATACAATGAATGTGGAAAGCTTTCCTGAGAATTCACCTCTTCTGTAC
 ATAAGAGAGTTACACAGGACAGAAACCTGCAATATACTGAACATGGGAAACCTGTGATATGTCATT
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 GAGGAATCCATTCTCTTGAACATCAGAGTGTTTACCCATTAGCCAGAAAGTTAAATCTCACTCCAATTC
 AGAGAACCCACTCAATTAACAATATTATTGAATATAATGAGTGTGGAAACATTTTTCAGTGAAAAATTAGT
 CCTTCAATTTACAACAGAGAACACATACAGGAGAAAAACCTTATGAATGTCATGAATGTGGAAAAACCTTC
 ACCCAGAAGTCAGCCACACAGACATCAGAGAACACACAGGGGAAAAACCTTATGAATGTCATGAAT
 GTGGGAAGACCTTCTATAAGAATTCAGACCTCATTAAACATCAAAGAATTCATACAGGGGAGAGACCTTA
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 GGGGAGAAACCATATGAATGTCATGAATGTGGGAAACCTTCTCATTAAAGTCAGTCCTTACTGTGCATC
 AGAAAAACACACAGGGGAGAGCCCTATGAATGCTATGCATGTGGGAAAGCCTTCTCAGAAAAATCAGA
 CCTCATTAAACATCAAAGAATACACACAGGTGAAAAACCTTATGAATGTAATGAATGTGGGAAAGTCATT
 TCTGAGAAGTCAACCTTACTAAACATCTAAGAACTCACACAGGTGAGAAACCTTATGAATGTAATCAGT
 GTGGAAAAATTTTCTGCTACTACTCCGTTTACAGAACATCTGAGAAGACACAGGGGAGAAACCTTT
 TGGATGTAATGAATGTGGGAAACCTTCCGTGAGAAGTCGGCCCTAATTGTTTACCAGAGAACTCATATA
 AGACAGAAACCTTATGGATGTAATCAATGTGGGAAATCATTCTGTGGAAGTCAAACTCATTGCACATC
 ATAGAACACACAGGGGAGAAACCTATGAATGTAATGTTTGTGGGAAATCATTCTATGTTAAGTCAAA
 ACTAAGTGTACATCAGAGAATACACTTGGGAGAAACCTATAAATGTAGTAAACGAGGAAATTAATCTCT
 GGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205630 representing NM_001007094
 Red=Cloning site Green=Tags(s)

MITSQGSVSFRDVTVGFTQEEWQHLDPAQRRLYRDVMLENYSHLVSVCYIPKPEVILKLEKGEPPWILE
 EKFPQSQSHLELINTSRNYSIMKFNEFNKGGKCFDEKHEIIHSEEPSEYNKNGNSFWLNEDLIWHQKIK
 NWEQSFYEYNECGKAFPENSLFLVHKRGYTGQKTCYTEHGKTCDSFFITHQQTHPRENHYGNECGENIF
 EESILLEHQSVYPFSQKLNLTPIQRTHSINNIEYNECGTFFSEKLVHLQQRTHTGEKPYECHECGKTF
 TQKSAHTRHQRTHTGKPYECHECGKTFYKNSDLIKHQRIHTGERPYGCHCEGKSFSEKSTLTQHQRTHT
 GEKPYECHECGKTFSKSVLTVHQKTHTEKPYECYACGKAFLRKSDLIKHQRIHTGEKPYECNECGKSF
 SEKSTLTKHLRTHTEKPYECIQCGKFFCYYSGFTEHLRRHTGEKPFGCNECGKTFRQKSALIVHQRTHI
 RQKPYGCNQCGKSFVKSKLIAHHRHTGEKPYECNVCCKSFYVYKSKLTVHQRIHLGRNPINVVNEGNYS
 G

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007094

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.

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

RefSeq: [NM_001007094.1](#), [NP_001007095.1](#)

RefSeq Size: 7047 bp

RefSeq ORF:	1686 bp
Locus ID:	7587
UniProt ID:	P17032
Cytogenetics:	10p11.1
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG205630