

Product datasheet for **RG215696**

ZNF471 (NM_020813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF471 (NM_020813) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF471
Synonyms:	ERP1; Z1971; Zfp78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG215696 representing NM_020813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGTTGAAGTAGTAAAAGTCATGCCAGGACTTAGTGACATTCAGGATGTGGCAATAGATTTTT
 CCCAGGAAGAATGGCAATGGATGAACCCTGCTCAGAAGCGTTTATACAGGAGTATGATGTTGGAGA
 TCAAGCCTGGTATCACTTGGTCTTTGCATTTCTAAGCCATATGTGATCTCCTTATTGGAGCAAGG
 GAGAGAGCCTTTGGGAGATGACGAGTGAGATGACAAGAAGCCATTCTCAGATTGGGAATCTATAT
 ATGTGACACAGGAATTACCTCTGAAGCAGTTCATGTATGATGATGCATGCATGGAGGAATTACT
 TAGCTATGGACTTGA GTGTTCCACTTTTGAAGAAAATTGGAATGGGAAGACCTTTTGGAGAAGCAG
 ATGGGAAGTCATGAGATGTTAGCAAGAAAATAATCACTCATAAAGAAACCATCACTAAGGAAAC
 AGAATTCAAAATACTAAATTTGGGAAATGTATCCATCTGGAAAACATAGAAGAGAGTATTTATA
 ATCACACATCAGATAAAAAAGCTTCTCCAAAAATTTATGGTAATAAAACACAAGAAAGTCTAT
 GTAGGAAAGAAGCTTTTTAAATGTAATGAA TGTGACAAAACCTTCACCCATAGCTCATCCCTA
 CTGTTCAATTTAGAATTCATACTGGTAAAAACCATATGCATGTGAGGAATGTGAAAAAGCCTT
 CAAGCAAAGGCAACACCTTGCTCAACATCACAGAACACATAC TGGAGAGAAACTCTTTGAATG
 TAAAGAATGTAGGAAAGCCTTCAAACAAAGTGAACACCTTATTCAGCATCAAAGAATTCATA
 CTGGAGAAAAACCATATAAATGTAAGGAATGCAGAAAAGCCTTCAGACAGCCTGCACACCTT
 GCAGCAGAAATTCATACTGGAGAGAAACCTATGAATGTAAGAATGTGGCAAAGCCTTCAGT
 GATGGCTCGTCTTTGCTCGACATCAGAGATGTCACACTGGCAAAGACCCATGAATGTATTGAG
 TGTGGAAAGCCTTTTAGGTATAACACATCTTTTATTGTCGACTGGAGGAGTTATCATACTGGAG
 AAGCCTTTTAATTGCATTGATTGTGGAAAGCCTTCAGTGTTCACATAGGACTATTCTGCATAGG
 AGAATTCATACAGGAGAGAAAACCTTACAAATGTGATGTGTGGAAAAACCTTCAGCTCAGGTT
 CATCCGTA CTGTA CATCAGAGAATTCATACAGGAGAGAAAACCTTATGAATGTGATATATGTGG
 AAAAGATTTAGCCATCATGCATCACTCACTCAGCATCAAAGAGTACATTCTGGAGAGAAAACCG
 TATGAATGCAAGGAATGTGGAAAGCCTTTAGGCAGAAATGTACACCTTGTAGTCATTTGAGA
 ATTCATACTGGTAAAAACCTATGAATGTAA GAATGTGGAAAAGCCTTTAGAAATCAGTTCAC
 AGCTGGCTACTCATCAGAGAATTCATACTGGAGAGAAGCCTTATGAATGTATTGAATGTGGAA
 ATGCTTTCAAACAGAGATCACACCTTGCCCAACATCAGAAAAC TCA TACAGGAGAGAAAACCT
 TATGAGTGAATGAATGCGGGAAAGCCTTCAGCCAAACTCCAATCTACTCAATCAAAGAATTC
 ATA CTGGAGAGAAAACCTATAAATGTACTGAATGTGGAAAGCCTTTAGTGATAGCTCATCCT
 GTGCTCAGCATCAAAGACTCCACACTGGCCAAAGGCCCTATCAGTGTTTGAATGTGGGAAGGC
 GTTCAGAAGAAAGTTATCCTTAATTTGTCATCAAAGAAGTCATACTGGAGAAGAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215696 representing NM_020813
 Red=Cloning site Green=Tags(s)

MNVEVVKVMPQDLVTFKDVAIDFSQEEWQWMNPAQKRLYRSMLENYQSLVSLGLCISKPYVISLLEQGR
 EPWEMTSEMTRSPFSDWESIYVTQELPLKQFMYYDDACMEGITSYGLECSTFEENWKWEDLFEKQMSHEM
 FSKKEIITHKETITKETEFKYTKFGKCIHLENIEESIYNHTSDKKSFSKNSMVIKHKVYVGGKLFKCNE
 CDKTFTHSSSLTVHFRIHTGEKPYACEECGKAFKQRQHLAQHHRHTHTGEKLFECKECRKAFKQSEHLIQH
 QRIHTGEKPYKCECRKAFRQPAHLAQHQRIHTGEKPYECKGKAFSDGSSSFARHQRCHTGKRPYECIE
 CGKAFRYNTSFIHWRSYHTGEKPFNCIDCGKAFSVHIGLILHRRHTHTGEKPYKCDVCGKTFSSGSSRTV
 HQRIHTGEKPYECDICGKDFSHHASLTQHQRVHSGEKPYECKGKAFRQNVHLVSHLRHTHTGEKPYECK
 ECGKAFRISSQLATHQRIHTGEKPYECIECGNAFKQRSHLAQHQQHTHTGEKPYECNECGKAFSQT
 SNLQTHQRIHTGEKPYKTECGKAFSDSSSCAQHQRHTGQRPYQCFECGKAFRRKLSLICHQRSHTGEEP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_020813

ORF Size: 1878 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_020813.2](#), [NP_065864.2](#)

RefSeq Size: 4967 bp

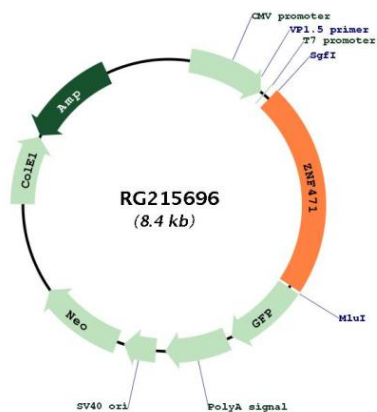
RefSeq ORF: 1881 bp

Locus ID: 57573

UniProt ID: [Q9BX82](#)

Cytogenetics: 19q13.43
 Protein Families: Transcription Factors
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215696