

Product datasheet for **RC232305**

ZFAND2B (NM_001270998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAND2B (NM_001270998) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFAND2B
Synonyms:	AIRAPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232305 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTCCGGACCTCGGCGCTCACTGTTCCGGAGCCGAGCTGTCAGCGCTTGGATTTCTGCCGCTTA
AGTGTGATGCCTGCTCAGGCATCTTCTGCGCAGACCATGTGGCCTACGCCAGCATCACTGTGGATCTGC
TTACAAAAGGATATCCAGGTACCTGTGTGCCCTCTCTGTAATGTGCCTGTGCCTGTGGCCAGAGGGGAG
CCCCCTGACCGTGCTGTGGGAGAGCACATTGACAGAGACTGTCGCTCTGATCCAGCACAGCAAAAACGTA
AGATCTTCACCAATAAGTGTGAACGCGCTGGCTGCCGGCAGCGAGAAATGATGAAACTGACCTGTGAACG
CTGTAGCCGAAACTTCTGCATCAAGCACCGGCATCCACTGGACCATGATTGCTCTGGGGAGGGGCACCCA
ACCAGCCGGGCAGGACTTGTGCCATCTCCAGAGCACAAGCTGTGGCTTCTACAAGCACTGTCCCCAGCC
CAAGTCAAACCATGCCTTCTGTACCTCTCCCAGCAGAGCCACAACCCGATCTCCGTCTGGACAGCCCC
TCCAGTGATTGCTTTCAGAAATGGCCTGAGTGAGGATGAAGCTCTGCAGCGGGCCCTGAAATGTCCCTG
GCAGAAACCAACCCAGGTTCCAAGTTGTGAGGAGGAAGAAGACCTAGCTTTAGCACAAGCACTGTGAG
CCAGTGAGGCAGAATACCAGCGGCAGCAGGCCAGAGCCGAGCTCGAAGCCGTCCAACCTGCAGCCTGTG
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC232305 protein sequence
Red=Cloning site Green=Tags(s)

MEFPDLGAHCSEPCQRLDFLPLKCDACSGIFCADHVAYAQHHCGSAYQKDIQVPVPCPLCNVPVPVARGE
 PPDRAVGEHIDRDCRSDPAQQRKIFITNKCERAGCRQREMMKLTCECSRNFCEIKHRHPLDHDSCSGEGHP
 TSRAGLAAISRAQAVASTSTVSPSQTMPSTSPSRATTRSPSWTAPPVIALQNGLSEDEALQRALEMSL
 AETKPQVPSCQEEEDLALAQAALSASEAEYQRQQAQSRSSKPSNCSLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6304_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001270998

ORF Size: 771 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_001270998.1](#), [NP_001257927.1](#)

RefSeq Size: 1199 bp

RefSeq ORF: 774 bp

Locus ID: 130617

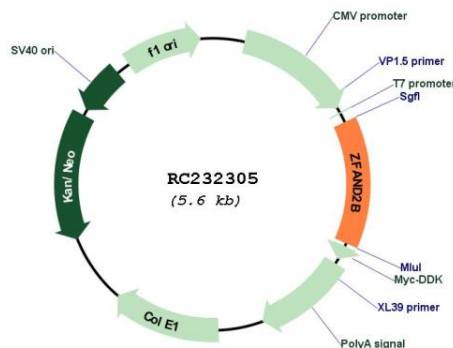
UniProt ID: [Q8WV99](#)

Cytogenetics: 2q35

MW: 28 kDa

Gene Summary: This gene encodes a protein containing AN1-type zinc-fingers and ubiquitin-interacting motifs. The encoded protein likely associates with the proteasome to stimulate the degradation of toxic or misfolded proteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RC232305