

Product datasheet for **RC232129**

ZA20D3 (ZFAND6) (NM_001242911) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZA20D3 (ZFAND6) (NM_001242911) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZA20D3
Synonyms: AWP1; ZA20D3; ZFAND5B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232129 representing NM_001242911
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAAGAACTAATCACAGCCAAGTGCCTATGCTTTGTTCCACTGGCTGTGGATTTTATGAAACC
CTCGTACAAATGGCATGTGTTTCAGTATGCTATAAAGAACATCTTCAAAGACAGAATAGTAGTAATGGTAG
AATAAGCCACCTGCAACCTCTGTCAGTAGTCTGTCTGAATCTTACCAGTTCAATGCACAGATGGCAGT
GTGCCAGAAGCCAGTCAGCATTAGACTCTACATCTTCATCTATGCAGCCAGCCCTGTATCAAATCAGT
CACTTTTATCAGAATCTGTAGCATCTTCTCAATTGGACAGTACATCTGTGGACAAAGCAGTACCTGAAAC
AGAAGATGTGCAGGCTTCAGTATCAGACACAGCACAGCAGCCATCTGAAGAGCAAAGCAAGTCTCTTGAA
AAACCGAAACAAAAAAGAATCGCTGTTTCATGTGCAGGAAGAAAGTGGGACTTACTGGGTTTGAATGCC
GGTGTGGAAATGTTTACTGTGGTGTACACCGTTACTCAGATGTACACAATTGCTCTTACAATTACAAAGC
CGATGCTGCTGAGAAAATCAGAAAAGAAAATCCAGTAGTTGTTGGTGAAGATCCAAAAGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232129 representing NM_001242911
Red=Cloning site Green=Tags(s)

MAQETNHSQVPMLCSTGCGFYGNPRTNGMCSVCYKEHLQRQNSSNGRISPPATSVSSLSESLPVQCTDGS
VPEAQSALDSTSSMQSPVSNQSLLESVASSQLDSTSVDKAVPETEDVQASVSDTAQQPSEEQSKSLE
KPKQKKNRCFMCRKKVGLTGFECRCGNVYCGVHRYSDVHNCSYNYKADAAEKIRKENPVVVGEEKIQKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mg2928_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242911

ORF Size: 624 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_001242911.1](#), [NP_001229840.1](#)

RefSeq Size: 1664 bp

RefSeq ORF: 627 bp

Locus ID: 54469

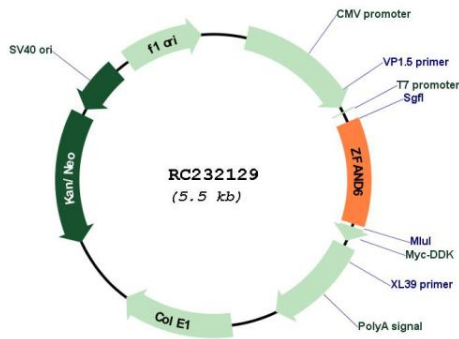
UniProt ID: [Q6FIF0](#)

Cytogenetics: 15q25.1

MW: 22.6 kDa

Gene Summary: Involved in regulation of TNF-alpha induced NF-kappa-B activation and apoptosis. Involved in modulation of 'Lys-48'-linked polyubiquitination status of TRAF2 and decreases association of TRAF2 with RIPK1. Required for PTS1 target sequence-dependent protein import into peroxisomes and PEX5 stability; may cooperate with PEX6. In vitro involved in PEX5 export from the cytosol to peroxisomes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC232129