

Product datasheet for **RC228104**

ZNF268 (NM_001165885) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF268 (NM_001165885) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF268
Synonyms: HZF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC228104 representing NM_001165885
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCAGGGTCCGGACAGCTTCTATTTGGGTCCCACCTCTCCAAGAACGAAACAGTTCATGGGATA
GGATCAGAAAGCTCCAAGGTCAGGAATCCATCTGGGCCAAGGGACTCCTGGTCTGCAACCTCTCCCTGG
AACACCCAGGCAGAAGCAGAAGAGTCGCAGAATAGAGAAAGTCTAGAGTGGCTGTTTATTTCCCAAGAG
CAGCCAAAAATCACCAAGTCTGGGTACCAACACACCAACCTGATATCATCTTCAAGTTGGAACAAGG
AGAAGAGCTGTGTATGGTGCAGGCCAAGTTCCAATCAGACCTGTCCAACACAGTCTGGAAAATTGAT
GATCTTATGGATTGGCATCAGGAAAATAAAGACAAGCTGGGAAGTACGGCAAAAAGCTTTGAATGACTA
CATTTGGAAAACCTATGTCTTCTTAGTACAAAGTATCTTTCAAGACAAAACCTCATAAATGTGGCACGCA
TGGAAAGAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228104 representing NM_001165885
Red=Cloning site Green=Tags(s)

MATRVRTASIVPPLQERNSSWDRIRKLQGGESILGQGTPLQPLPGTTPRQKQKSRRIEKVLEWLFISQE
QPKITKSWGNTNPNLISSSWNKEKSCVWCRPKFQIRPVQTSGLMILWIGIRIKTISWEVRQKALNAL
HLENYVFLVQSIFQDKNLINVARMERV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4530_g05.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001165885

ORF Size: 501 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_001165885.2](#)

RefSeq ORF: 504 bp

Locus ID: 10795

UniProt ID: [Q14587](#)

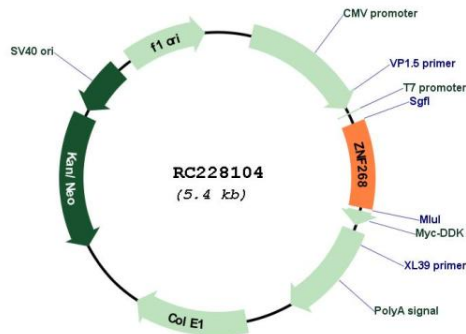
Cytogenetics: 12q24.33

Protein Families: Transcription Factors

MW: 19.3 kDa

Gene Summary: Isoform 1: Acts as a transcriptional repressor. Inhibits erythroid differentiation and tumor cell proliferation. Plays a role during ovarian cancer development and progression. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228104