

Product datasheet for **RC228077**

ZNF268 (NM_001165883) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF268 (NM_001165883) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF268
Synonyms: HZF3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC228077 representing NM_001165883
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCACCAGGGTCCGGACAGCTTCTATTGGGTCCACCTCTCCAAGAACGAAACAGTTCATGGGATA
GGATCAGAAAGCTCCAAGGTCAGGAATCCATCTTGGGCCAAGGGACTCCTGGTCTGCAACCTCTCCCTGG
AACACCCAGGCAGAACGAGAAGAGTCGCAGAATAGAGAAAGTCCTAGAGTGGCTGTTTATTTCCCAAGAG
CAGCCAAAAATCACAAGTCCTGGACACAGTCTGGAAAATTGATGATCTTATGGATTGGCATCAGGAAAA
TAAAGACAAGCTGGGAAGTACGGCAAAAAGCTTTGAATGCACTACATTTGGAAAAATATGTCTTCTAGT
ACAAAGTATCTTTCAAGCAAAAACCTCATAAATGTGGCACGCATGGAAAGAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228077 representing NM_001165883
Red=Cloning site Green=Tags(s)

MATRVRTASIWVPLQERNSSWDRIRKLQGQESILGQGTPLQPLPGTPRQKQKSRRIEKVLEWLFISQE
QPKITKSWTQSGKLMILWIGIRIKTSWEVRQKALNALHLENYVFLVQSIFQDKNLINVARMERV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

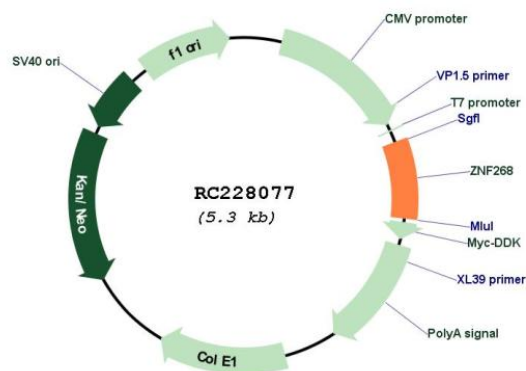


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001165883

ORF Size: 405 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: | <ol style="list-style-type: none"> 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: | <u>NM_001165883.2</u> |
| RefSeq ORF: | 408 bp |
| Locus ID: | 10795 |
| UniProt ID: | <u>Q14587</u> |
| Cytogenetics: | 12q24.33 |
| Protein Families: | Transcription Factors |
| MW: | 15.6 kDa |
| Gene Summary: | <p>Isoform 1: Acts as a transcriptional repressor. Inhibits erythroid differentiation and tumor cell proliferation. Plays a role during ovarian cancer development and progression.</p> <p>[UniProtKB/Swiss-Prot Function]</p> |