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# Product datasheet for RC230669

## ZFAT (NM_001174157) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ZFAT (NM_001174157) Human Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | ZFAT |
| **Synonyms:** | AITD3; ZFAT1; ZNF406 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>RC230669 representing NM_001174157
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACGCGGGCGGCAGAAAACACGGCCATCTTTATGTGTAAATGTTGTAACCTCTTCTCACCAAATC
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CGAGCTCTGCCTGATGACGAGGGAGGGCAAGCGGCAGCTGCTCTATGACTGCCACATCTGTGAGCGCAAG
TTCAAGAACGAGCTGGACCGTGACCGCCATATGCTGGTCCACGGAGACAAGTGGCCTTTTGCCTGTGAGC
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GGGGAAATGCCTGCCCCAGCTGTGCACCTGGCCTCCCCGCAGGCCGAAAGCACAGCCCTGCCACCCTGTG
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**Protein Sequence:**

>RC230669 representing NM_001174157
Red=Cloning site Green=Tags(s)

METRAAENTAIFMCKCCNLFSPNQSELLSHVSEKHMEEGVNVDEIIIPLRPLSTPEPPNSSKTGDEFLVM
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GEMPAPAVHLASPQAESTALPPCELETTVVSSSDLHSQEVVSDDFLLKNDTSSAEAHAAPEKPPDMQHRS
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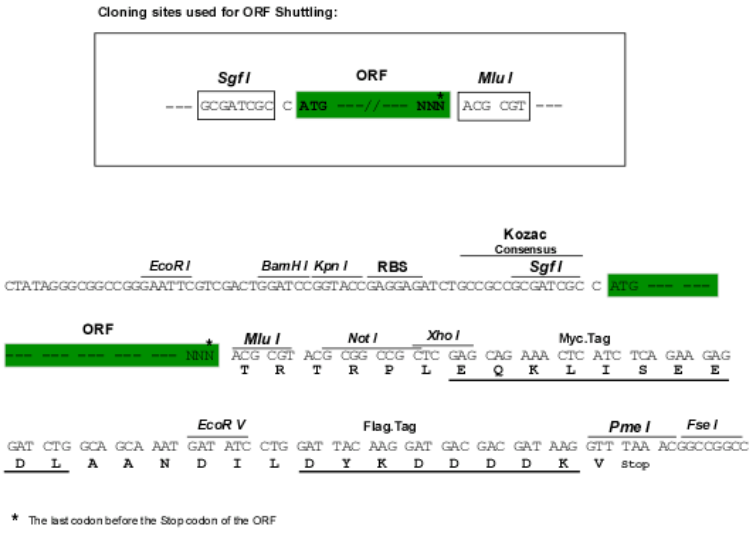
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

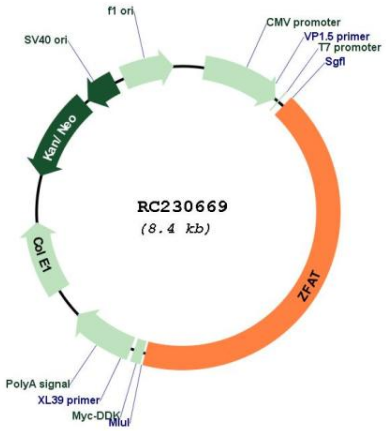



**ACCN:** NM_001174157

**ORF Size:** 3543 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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. |
| **Note:** | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| **RefSeq:** | NM_001174157.2 |
| **RefSeq ORF:** | 3546 bp |
| **Locus ID:** | 57623 |
| **UniProt ID:** | Q9P243 |
| **Cytogenetics:** | 8q24.22 |
| **MW:** | 132.6 kDa |
| **Gene Summary:** | This gene encodes a protein that likely binds DNA and functions as a transcriptional regulator involved in apoptosis and cell survival. This gene resides in a susceptibility locus for autoimmune thyroid disease (AITD) on chromosome 8q24. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Nov 2009] |

## Product images:




Circular map for RC230669