OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC329316

ZFAT (NM_001167583) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAT (NM_001167583) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFAT
Synonyms:	AITD3; ZFAT1; ZNF406
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001167583, the custom clone sequence may differ by one or more nucleotides

```
ATGTGTAAATGTTGTAACCTCTTCTCACCAAATCAGTCGGAACTCCTCTCCCACGTTTCA
GAGAAGCACATGGAAGAAGGGGTTAATGTTGATGAGATTATTATTCCCCTTAGGCCTCTG
AGTACACCTGAACCCCCCAACTCAAGCAAAACCGGAGATGAGTTTTTGGTCATGAAGAGG
AAGAGAGGCAGGCCTAAGGGGTCCACGAAGAAGTCCAGCACAGAAGAGGAGCTGGCAGAA
AACATCGTGAGTCCGACTGAGGACAGCCCGCTGGCTCCGGAGGAAGGGAACAGCCTGCCT
CCAAGCAGCTTGGAGTGTAGCAAGTGCTGTCGGAAGTTCTCCAACACGCGCCAGCTGCGG
AAGCACATCTGCATTATCGTGCTGAATTTGGGTGAGGAGGAAGGAGAAGCAGGTAACGAG
TCTGACCTTGAACTAGAAAAGAAGTGTAAGGAAGATGATCGGGAAAAAGCCTCGAAAAGA
CCACGGTCACAGAAAACAGAGAAAGTCCAGAAGATCTCAGGAAAGGAGGCCAGACAGCTT
TCTGGGGCGAAGAAACCCATCATAAGTGTGGTTTTAACTGCACACGAAGCAATTCCAGGT
GCTACCAAGATTGTGCCAGTGGAGGCTGGGCCCCCTGAAACAGGAGCTACAAATTCTGAG
ACCACTTCAGCAGACCTGGTGCCTCGGAGAGGCTACCAGGAATACGCCATTCAGCAGACA
CCTTATGAGCAACCAATGAAGTCAAGCAGGCTAGGTCCCACTCAGCTCAAAATCTTCACT
TGTGAATACTGCAACAAGGTCTTCAAGTTCAAGCACTCGCTGCAGGCCCACCTGAGGATC
CACACCAATGAAAAGCCATACAAGTGCCCCCAGTGCAGCTATGCCAGTGCCATCAAGGCC
AACCTCAATGTGCACCTGCGCAAGCACACTGGAGAGAAGTTCGCCTGCGACTATTGCTCG
TTCACCTGCCTGAGCAAGGGCCACCTCAAGGTGCACATCGAGCGAGTGCACAAGAAGATC
AAGCAGCACTGCCGCTTCTGCAAGAAGAAGTACTCTGACGTCAAGAACCTCATCAAGCAC
ATCCGAGACGCGCATGACCCACAGGACAAGAAGGTCAAAGAGGCCTTGGACGAGCTCTGC
CTGATGACGAGGGAGGGCAAGCGGCAGCTGCTCTATGACTGCCACATCTGTGAGCGCAAG
TTCAAGAACGAGCTGGACCGTGACCGCCATATGCTGGTCCACGGAGACAAGTGGCCTTTT
GCCTGTGAGCTCTGTGGCCATGGGGCCACCAAGTACCAGGCGCTGGAACTGCATGTCAGG
AAGCACCCCTTCGTGTACGTCTGTGCCGTCTGCCGCAAGAAGTTCGTCAGCTCCATCAGG
CTGCGCACCCACATCAAAGAGGTGCACGGGGCTGCCCAGGAGGCCTTGGTCTTCACCAGT
TCCATCAACCAGAGCTTCTGCCTCCTGGAACCTGGTGGGGACATCCAGCAAGAAGCTCTG
```


View online »

GGGGACCAGCTACAGCTGGTGGAAGAGGAGTTTGCCCTCCAGGGCGTGAATGCACTCAAG
GAAGAGGCCTGTCCTGGGGACACTCAGCTGGAGGAGGGCCGGAAGGAGCCGGAGGCCCCT
GGGGAAATGCCTGCCCCAGCTGTGCACCTGGCCTCCCCGCAGGCCGAAAGCACAGCCCTG
CCACCCTGTGAGCTGGAAACCACCGTGGTCTCCTCCTCAGACCTGCATTCTCAAGAGGTG
GTTTCAGATGATTTTTTGTTGAAAAATGATACCTCCTCCGCAGAGGCTCATGCTGCTCCT
GAGAAGCCCCCAGACATGCAGCACAGAAGCTCAGTCCAGACGCAAGGTGAAGTGATCACA
CTACTGCTGTCCAAGGCCCAGAGTGCTGGGTCAGATCAGGAAAGCCATGGCGCCCAGAGC
CCCCTAGGGGAAGGGCAGAACATGGCTGTGCTTTCAGCTGGTGACCCAGATCCCAGCAGG
TGTCTCAGGTCAAACCCAGCTGAGGCCTCAGACCTCCTCCCTCCAGTAGCTGGTGGTGGG
GACACCATCACACATCAGCCTGACTCTTGCAAAGCTGCCCCTGAGCACCGGTCAGGCATC
ACCGCTTTCATGAAGGTCCTGAACAGTTTACAGAAGAAGCAAATGAACACCAGCTTGTGT
GAGCGGATCCGGAAGGTTTATGGAGACCTGGAGTGTGAATACTGTGGCAAACTTTTTTGG
TACCAAGTGCATTTTGATATGCATGTCCGCACCCACACCCGGGAACATCTGTATTATTGC
TCTCAGTGTCATTATTCTTCCATCACCAAAAACTGCCTTAAACGCCACGTAATTCAGAAA
CACAGTAACATCTTGCTGAAGTGTCCCACCGATGGCTGTGACTACTCAACTCCAGATAAA
TATAAGCTACAGGCACATCTTAAAGTTCACACAGCACTGGACAAAAGGAGTTATTCTTGT
CCTGTTTGTGAAAAGTCTTTTTCAGAGGATCGATTGATAAAGTCACATATCAAGACCAAC
CATCCTGAGGTCTCCATGAGCACCATTTCTGAGGTTCTCGGGAGGAGGGTTCAGCTGAAA
GGGCTAATTGGAAAGAGAGCCATGAAATGCCCATATTGTGACTTTTATTTCATGAAGAAT
GGCTCAGACCTTCAGCGTCATATTTGGGCTCATGAAGGTGTGAAGCCCTTCAAGTGTTCT
TTGTGTGAGTATGCAACTCGTAGCAAGAGTAACCTCAAGGCTCATATGAATCGTCACAGC
ACTGAGAAAACCCACCTATGTGACATGTGTGGCAAGAAATTCAAATCAAAAGGGACACTG
AAAAGTCACAAACTCCTTCACACTGCAGATGGGAAGCAGTTTAAGTGCACGGTGTGTGAC
TACACAGCGGCCCAGAAGCCACAGCTGCTGCGGCACATGGAACAGCATGTCTCCTTCAAG
CCTTTCCGCTGTGCCCATTGCCATTACTCCTGCAACATATCTGGCTCTCTGAAGCGGCAC
TACAACAGGAAGCACCCTAATGAGGAGTATGCCAACGTGGGCACCGGGGAGCTGGCAGCG
GAGGTGCTCATCCAGCAAGGTGGTTTGAAGTGTCCTGTTTGCAGCTTTGTATATGGCACC
AAATGGGAGTTCAATAGGCACTTGAAGAACAAACATGGCTTGAAGGTGGTGGAAATTGAT
GGAGACCCCAAGTGGGAGACAGCAACAGAAGCTCCTGAGGAGCCCTCCACCCAGTATCTC
CACATCACAGAGGCCGAAGAAGACGTTCAAGGGACACAGGCAGCGGTGGCCGCGCTCCAG
GACCTGAGATACACCTCTGAGAGTGGCGACCGACTGGACCCCACGGCCGTGAACATCCTG
CAGCAGATCATTGAGCTGGGCGCCGAGACCCATGACGCCACTGCCCTTGCCTCGGTGGTT
GCCATGGCACCAGGGACGGTGACTGTGGTTAAGCAGGTCACCGAGGAGGAGCCCAGCTCC
AACCACACGGTCATGATCCAGGAGACGGTCCAGCAAGCGTCCGTGGAGCTTGCCGAGCAG
CACCACCTGGTGGTGTCCTCCGACGACGTGGAGGGCATTGAGACGGTGACTGTCTACACG
CAGGGCGGGGAGGCCTCGGAGTTCATCGTCTACGTGCAGGAGGCCATGCAGCCTGTGGAG
GAGCAGGCTGTGGAGCAGCCGGCCCAGGAACTCTAG

Restriction Sites: Please inquire

ACCN: NM_001167583

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001167583.2, NP_001161055.1
RefSeq Size:	4551 bp
RefSeq ORF:	3696 bp
Locus ID:	57623
Cytogenetics:	8q24.22
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] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1. Variants 2, 3, and 6 all encode the same isoform (2).