

Product datasheet for **RC230658**

ZFAT (NM_001174158) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAT (NM_001174158) 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:	>RC230658 representing NM_001174158 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC230658 representing NM_001174158
Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mk8036_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

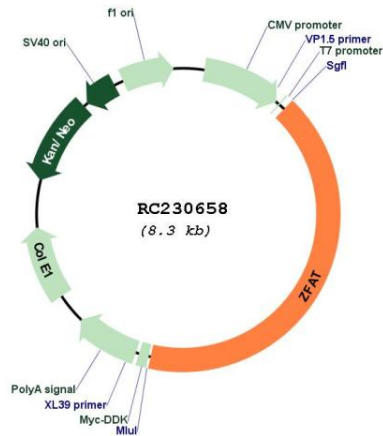


ACCN: NM_001174158

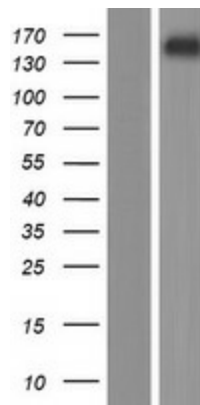
ORF Size: 3435 bp

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:	NM_001174158.2
RefSeq ORF:	3438 bp
Locus ID:	57623
Cytogenetics:	8q24.22
MW:	129.1 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 RC230658



Western blot validation of overexpression lysate (Cat# [LY433657]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230658 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).