

## Product datasheet for **RG238668**

### **ANKZF1 (NM\_001282792) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANKZF1 (NM_001282792) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANKZF1
Synonyms:	Vms1; ZNF744
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238668 representing NM\_001282792.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
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CACCGCTATACGGTTCGGGCCAAGCGGGCAGCCAGGGGCTTCGGGATGCCCGAGGTGGGCCATCA
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CGGTCTTTGTTCTTTGGAGGCAAGGGAGCACCCCTGCAAAGGGGGATCCCGACTTTGGGATATCCCC
CTCGCCACCCGACAGCCACCTTCCAAGAGCTACAGCGTGTGCTCCATAAGCTGACCACTTTGCATGTC
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GAGAGAAAAGAAGCCTACTGAGGAAGAAATAAGAAAGATCTGCAGGGATGAAAAGGAAGCGCTGGGGCAG
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GGAGCCCCACTCTCCAATCCCTGACTCTGCAATCGTCAATACTCGACGCTGCTGGAGTTGTGGGGCA
TCCCTCAAGGCCTGACTCCCTTCACTACCTCGACTTCTTTCTGCTCCACACGTTGCTCCAGGAT
CATCGCCGTGAGGCAGGGAGGCCCTCTTCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238668  
 Blue=ORF Red=Cloning site Green=Tag(s)

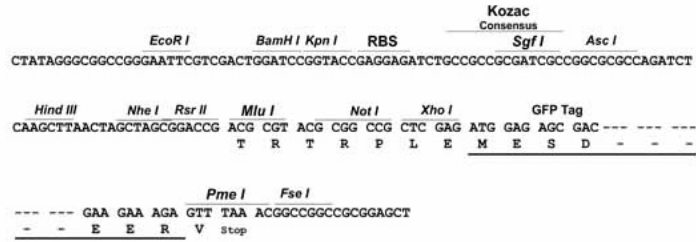
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MAAAGHFAGAI FQGREVVTHKTFHRYTVRAKRGT AQGLRDARGGPPSHSAGANLRRYNEATLYKDVRDLL
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SLQGLTPFHLYDF SFCSTRCLQDHRQAGRPS
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MGYGFYHFGTYP SGYENPFLHAINNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
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**Restriction Sites:**

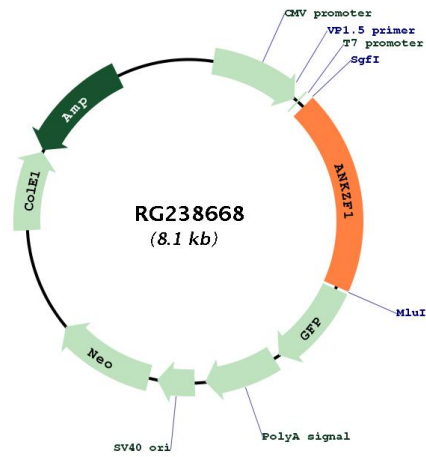
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_001282792
<b>ORF Size:</b>	1548 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001282792.2</a>
<b>RefSeq Size:</b>	2193 bp
<b>RefSeq ORF:</b>	1551 bp
<b>Locus ID:</b>	55139
<b>Cytogenetics:</b>	2q35
<b>MW:</b>	58 kDa
<b>Gene Summary:</b>	Plays a role in the cellular response to hydrogen peroxide and in the maintenance of mitochondrial integrity under conditions of cellular stress (PubMed:28302725). Involved in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway (By similarity). [UniProtKB/Swiss-Prot Function]