

Product datasheet for **RG236611**

ZFAND5 (NM_001278245) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAND5 (NM_001278245) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFAND5
Synonyms:	ZA20D2; ZFAND5A; ZNF216
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236611 representing NM_001278245. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTCAGGAGACTAACCAGACCCGGGGCCCATGCTGTGTAGCACAGGATGTGGCTTTTATGAAAT
CCTAGGACAAATGGAATGTGTTCAAGTTGCTACAAAGAACATCTCAGAGGCAGCAAAATAGTGCCAGA
ATGAGCCCAATGGGGACAGCTAGTGGTTCCAACAGTCCTACCTCAGATTCTGCATCTGTACAGAGAGCA
GACACTAGCTTAAACAAGTGAAGGTGCTGCTGGCAGCACATCTGAAAAATCAAGAAATGTGCCTGTG
GCTGCCTTGCCTGTAACCTAGCAAAATGACAGAAATGAGCATTTCAGAGAGGACAAAATAACTACCCCG
AAAACAGAGGTGTCAGAGCCAGTTGCTCACTCAGCCAGTCCATCAGTTTCTCAGCCAGTACTTCTCAG
AGTGAAGAAAAAGCTCCTGAATTGCCAAACCAAGAAAAACAGATGTTTCATGTGCAGAAAGAAAGTT
GGTCTTACAGGGTTTACTGCGCATGTGAAATTTGTTTTGTGGACTTACCGTTACTCTGACAAGCAC
AACTGTCCGTATGATTACAAAGCAGAAGCTGCAGCAAAAATCAGAAAAGAGAATCCAGTTGTTGTGGCT
GAAAAAATTCAGAGAATA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



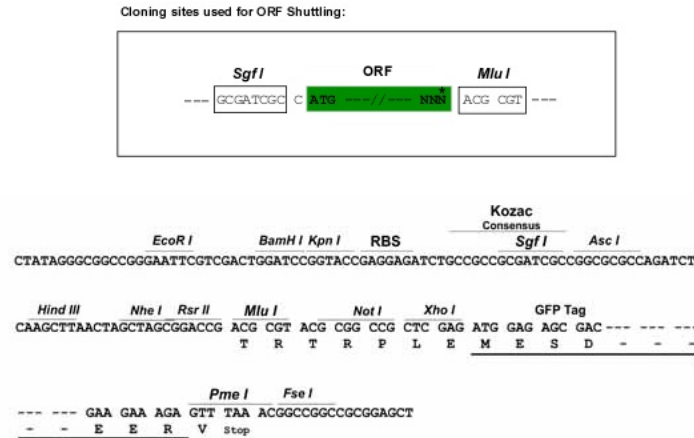
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG236611
 Blue=ORF Red=Cloning site Green=Tag(s)

MAQETNQTPGPMLCSTGCGFYGNPRTNGMCSVCYKEHLQRQQNSGRMSPMGTASGSNSPTSDSASVQRA
 DTSLNNCEGAAGSTSEKSRNVPVAALPVTQOMTEMSISREDKITTPKTEVSEPVVTPQSPSVSQPSTSQ
 SEEKAPELPKPKKNRCFMCRKKVGLTGFDCRCGNLFCGLHRYSDKHNCYPDYKAEAAKIRKENPVVVA
 EKIQRI
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIIRSNAVHEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278245

ORF Size: 639 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).

RefSeq: [NM_001278245.1](#), [NP_001265174.1](#)

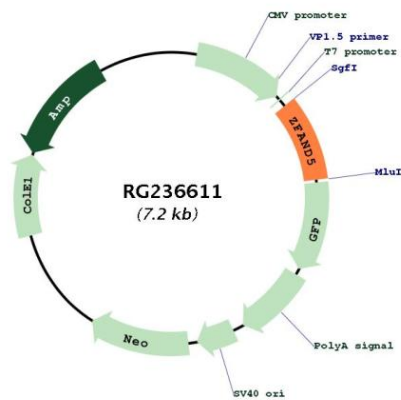
RefSeq Size: 5463 bp

RefSeq ORF: 642 bp

Locus ID: 7763
UniProt ID: [O76080](#)
Cytogenetics: 9q21.13
MW: 23.1 kDa

Gene Summary: Involved in protein degradation via the ubiquitin-proteasome system. May act by anchoring ubiquitinated proteins to the proteasome. Plays a role in ubiquitin-mediated protein degradation during muscle atrophy. Plays a role in the regulation of NF-kappa-B activation and apoptosis. Inhibits NF-kappa-B activation triggered by overexpression of RIPK1 and TRAF6 but not of RELA. Inhibits also tumor necrosis factor (TNF), IL-1 and TLR4-induced NF-kappa-B activation in a dose-dependent manner. Overexpression sensitizes cells to TNF-induced apoptosis. Is a potent inhibitory factor for osteoclast differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG236611