

Product datasheet for RN213513

Zfand5 (NM_001106356) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfand5 (NM_001106356) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zfand5
Synonyms:	Zfp216
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213513 representing NM_001106356 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGAAATGAGCATTTCAGAGAGGACAAAATAACCTCCCCGAAAACAGAGGTGTCAGAGCCAGTTG
TCACTCAGCCCAGTCCATCAGTTTCTCAGCCCAGTTCTTCTCAAAGTGAAGAAAAAGCTCCTGAGTTGCC
CAAACCAAGAAGAACAGATGTTTTATGTGTAGAAAGAAAGTTGGCCTTACAGGGTTTGACTGCCGATGT
GGAAATTTGTTTTGTGGACTTCACCGTTACTCTGACAAGCACAACCTGTCCTTATGATTACAAAGCAGAAG
CTGCAGCAAAAATCAGAAAAGAAAATCCAGTTGTTGTGGCTGAAAAAATCCAGAGAATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001106356
Insert Size:	342 bp

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).

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).



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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_001106356.1, NP_001099826.1

RefSeq Size: 2755 bp

RefSeq ORF: 342 bp

Locus ID: 293960

Cytogenetics: 1q51

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 (By similarity). [UniProtKB/Swiss-Prot Function]