

Product datasheet for **RC221129**

ZFAND5 (NM_001102421) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAND5 (NM_001102421) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFAND5
Synonyms:	ZA20D2; ZFAND5A; ZNF216
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221129 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGGAGACTAACCAGACCCCGGGGCCCATGCTGTGTAGCACAGGATGTGGCTTTTATGAAATC
CTAGGACAAATGGAATGTGTTTCAGTTTGTCTACAAAGAACATCTTCAGAGGCAGCAAATAGTGCCAGAAT
GAGCCCAATGGGGACAGCTAGTGGTTCCAACAGTCTACCTCAGATTCTGCATCTGTACAGAGAGCAGAC
ACTAGCTTAAACAACGTGAAGGTGCTGCTGGCAGCACATCTGAAAAATCAAGAAATGTGCCTGTGGCTG
CCTTGCCTGTAACCTCAGCAAATGACAGAAATGAGCATTTCAAGAGAGGACAAAATAACTACCCGAAAAC
AGAGGTGTGAGAGCCAGTTGTCACTCAGCCAGTCCATCAGTTTCTCAGCCAGTACTTCTCAGAGTGAA
GAAAAAGCTCCTGAATTGCCCAAACAAAGAAAAACAGATGTTTCATGTGCAGAAAGAAAGTTGGTCTTA
CAGGGTTTGACTGCCGATGTGGAATTTGTTTTGTGGACTTCACCGTTACTCTGACAAGCACAACGTGCC
GTATGATTACAAAGCAGAAGCTGCAGCAAAAATCAGAAAAGAGAAATCCAGTTGTTGTGGCTGAAAAAATT
CAGAGAATA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001102421.2](#), [NP_001095891.1](#)

RefSeq Size: 5750 bp

RefSeq ORF: 642 bp

Locus ID: 7763

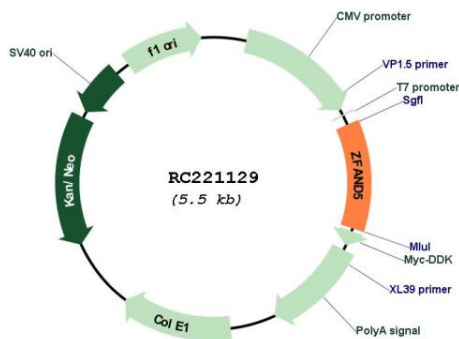
UniProt ID: [O76080](#)

Cytogenetics: 9q21.13

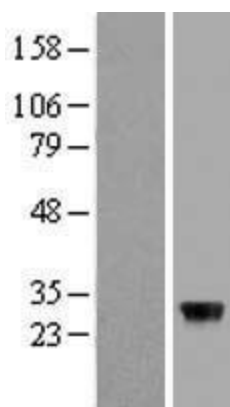
MW: 23.1 kDa

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]

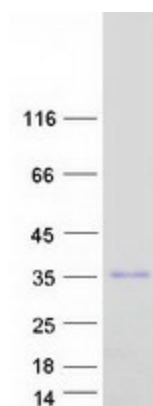
Product images:



Circular map for RC221129



Western blot validation of overexpression lysate (Cat# [LY420148]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221129 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZFAND5 protein (Cat# [TP321129]). The protein was produced from HEK293T cells transfected with ZFAND5 cDNA clone (Cat# RC221129) using MegaTran 2.0 (Cat# [TT210002]).