

Product datasheet for **RC209943**

ZFAND5 (NM_006007) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZFAND5 (NM_006007) 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: | >RC209943 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCTCAGGAGACTAACCAGACCCCGGGGCCATGCTGTGTAGCACAGGATGTGGCTTTTATGAAATCCTAGGACAAATGGAATGTGTTTCAGTTTGCTACAAAGAACATCTTCAGAGGCAGCAAATAGTGCCAGAAATGAGCCCAATGGGGACAGCTAGTGGTCCAAACAGTCTACCTCAGATTCTGCATCTGTACAGAGAGCAGACACTAGCTTAAACAACGTGAAGGTGCTGCTGGCAGCACATCTGAAAAATCAAGAAATGTGCCTGTGGCTGCCTTGCCTGTAACCTCAGCAAATGACAGAAATGAGCATTTCAGAGAGGACAAAATAACTACCCCGAAAACAGAGGTGTGAGAGCCAGTTGTCAGTCCAGCCAGTCCATCAGTTTCTCAGCCAGTACTTCTCAGAGTGAAAGAAAAGCTCCTGAATTGCCAAACAAAGAAAACAGATGTTTTCATGTGCAGAAAGAAAGTTGGTCTTACAGGGTTTGACTGCCGATGTGGAATTTGTTTTGTGGACTTCACCGTTACTCTGACAAGCACAACGTCCGTATGATTACAAAGCAGAAGCTGCAGCAAAAATCAGAAAAGAGAAATCCAGTTGTTGTGGCTGAAAAAATCAGAGAATA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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_006007.3](#)

RefSeq Size: 5747 bp

RefSeq ORF: 642 bp

Locus ID: 7763

UniProt ID: [O76080](#)

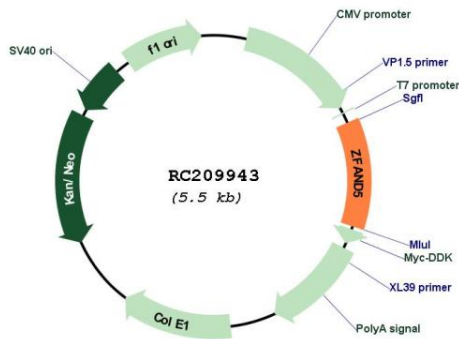
Cytogenetics: 9q21.13

Domains: ZnF_AN1, zf-A20

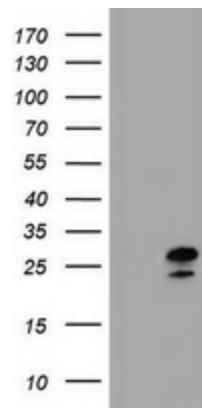
MW: 23.1 kDa

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]

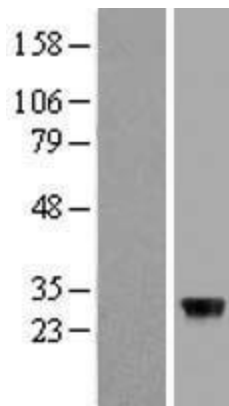
Product images:



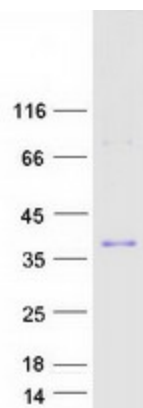
Circular map for RC209943



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZFAND5 (Cat# RC209943, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ZFAND5(Cat# [TA800481]). Positive lysates [LY416931] (100ug) and [LC416931] (20ug) can be purchased separately from OriGene.



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# [TP309943]). The protein was produced from HEK293T cells transfected with ZFAND5 cDNA clone (Cat# RC209943) using MegaTran 2.0 (Cat# [TT210002]).