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Product datasheet for SC316910

ZFAND5 (NM_001102421) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAND5 (NM_001102421) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFAND5
Synonyms:	ZA20D2; ZFAND5A; ZNF216
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316910 representing NM_001102421. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCTCAGGAGACTAACCAGACCCCGGGGCCCATGCTGTGTAGCACAGGATGTGGCTTTTATGGAAAT CCTAGGACAAATGGAATGTGTTCAGTTTGCTACAAAGAACATCTTCAGAGGCAGCAAAATAGTGGCAGA ATGAGCCCAATGGGGACAGCTAGTGGTTCCAACAGTCCTACCTCAGATTCTGCATCTGTACAGAGAGCA GACACTAGCTTAAACAACTGTGAAGGTGCTGCTGGCAGCACATCTGAAAAATCAAGAAATGTGCCTGTG GCTGCCTTGCCTGTAACTCAGCAAATGACAGAAATGAGCATTTCAAGAGAGGACAAAATAACTACCCCG AAAACAGAGGTGTCAGAGCCAGTTGTCACTCAGCCCAGTCCATCAGTTTCTCAGCCCAGTACTTCTCAG AGTGAAGAAAAAGCTCCTGAATTGCCCAAACCAAAGAAAAACAGATGTTTCATGTGCAGAAAGAAAGTT GGTCTTACAGGGTTTGACTGCCGATGTGGAAATTTGTTTTGTGGACTTCACCGTTACTCTGACAAGCAC AACTGTCCGTATGATTACAAAGCAGAAGCTGCAGCAAAAATCAGAAAAGAGAATCCAGTTGTTGTGGCT GAAAAAATTCAGAGAATATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001102421
Insert Size:	642 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).

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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).
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
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] Transcript Variant: This variant (b) differs in the 5' UTR compared to variant a. All six variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.