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Product datasheet for SC334504

ZFAND5 (NM_001278244) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ZFAND5

Synonyms: ZA20D2; ZFAND5A; ZNF216

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001278244, the custom clone sequence may differ by one or more nucleotides

ATGGCTCAGGAGACTAACCAGACCCCGGGGCCCATGCTGTGTAGCACAGGATGTGGCTTTTATGGAAATC
CTAGGACAAATGGAATGTGTTCAGTTTGCTACAAAGAACATCTTCAGAGGCAGCAAAATAGTGGCAGAAT
GAGCCCAATGGGGACAGCTAGTGGTTCCAACAGTCCTACCTCAGATTCTGCATCTGTACAGAGAGCAGAC
ACTAGCTTAAACAACTGTGAAGGTGCTGCTGGCAGCACATCTGAAAAATCAAGAAATGTGCCTGTGGCTG
CCTTGCCTGTAACTCAGCAAATGACAGAAATGAGCATTTCAAGAGAGGACAAAATAACTACCCCGAAAAC
AGAGGTGTCAGAGCCAGTTGTCACTCAGCCCAGTCCATCAGTTTCTCAGCCCAGTACTTCTCAGAGTGAA
GAAAAAGCTCCTGAATTGCCCAAACCAAAGAAAAACAGATGTTTCATGTGCAGAAAGAAAGTTGGTCTTA
CAGGGTTTGACTGCCGATGTGGAAATTTGTTTTGTGGACTTCACCGTTACTCTGACAAGCACAACTGTCC
GTATGATTACAAAGCAGAAGCTGCAGCAAAAATCAGAAAAGAGAATCCAGTTGTTGTGGCTGAAAAAATT
CAGAGAATATAA

Restriction Sites: SgfI-MluI

ACCN: NM_001278244

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001278244.1, NP_001265173.1

RefSeq Size: 5329 bp

RefSeq ORF: 642 bp

Locus ID: 7763

UniProt ID: O76080

Cytogenetics: 9q21.13

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 (e) 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 to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.