

Product datasheet for **SC304252**

ANKRD28 (NM_015199) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD28 (NM_015199) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD28
Synonyms:	CFAP79; FAP79; PITK; PPP1R65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304252 representing NM_015199. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGCGTTCCTCAAACCTCCGTGACCAGCCATCACTGGTGAAGCTATATTTAACGGAGATCCTGATGAA
GTTTCGAGCACTAATATTTAAGAAAGAAGATGTTAACTTTCAGGACAATGAAAAGCGAACCCATTGCAC
GCCGCAGCTTACCTTGGAGATGCAGAAATCATTGAACCTCTTATTTTATCTGGAGCTAGAGTTAATGCC
AAAGACAGCAAAATGGTTGACACCTTTACACAGAGCAGTTGCATCTGTAGTGAGGAAGCAGTTCAAGTA
CTTTTGAAGCATTCTGCAGATGTTAATGCTCGAGACAAAATTTGGCAAACCCCTTACATATAGCTGCT
GCTAATAAAGCTGTAAAGTGTGCTGAAGCTTTGGTACCTCTTCTGAGTAATGTAAACGTATCTGATCGA
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GATATGAATGAACCAATGCCTATGGAATACACCTCTTCATGTAGCCTGCTATAATGGACAAGATGTT
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CAAACCATATCCAGAGTGGAGCTGTAATCGACTGTGAGGATAAGAATGGAATACCCCTTTGCACATA
GCAGCACGGTATGGCCATGAGCTGCTGATCAACACTCTTATTACAAGTGGTGTGACACTGCAAAAGCGT
GGCATACATGGAATGTTCCCTCCATTTGGCAGCCTTAAGCGGCTTTTCAGATTGCTGCAGAAAATT
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AACGCAGTTCATTATTCAGCTGCTTATGGTCACCGTCTATGTCTTCAGCTGATTGCAAGTGAACTCCT
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CCTTTACACTTGGCTGCCTATCATGGTCACCATCAAGCACTGGAAGTGTTGGTACAGTCTTTGTTAGAT
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AAAACGGAAGGAAATGCTTTTAGTCCATTGCATTGTGCCGTGATAAATGACAACGAAGGTGCTGCTGAG
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GAGTACTTATACACTGACGTGGATGAGCTCAACGACTCCGATTCTGAGACCTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_015199
Insert Size:	3162 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).
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_015199.2](#)

RefSeq Size: 6339 bp

RefSeq ORF: 3162 bp

Locus ID: 23243

UniProt ID: [O15084](#)

Cytogenetics: 3p25.1

MW: 113 kDa

Gene Summary: Putative regulatory subunit of protein phosphatase 6 (PP6) that may be involved in the recognition of phosphoprotein substrates. Involved in the PP6-mediated dephosphorylation of NFKBIE opposing its degradation in response to TNF-alpha. Selectively inhibits the phosphatase activity of PPP1C. Targets PPP1C to modulate HNRPK phosphorylation. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes isoform a. 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.