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Product datasheet for SC322470

ANKRD9 (NM_152326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD9 (NM_152326) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322470 GGAGAATTGGAGAAGCTTGTGCCCTGCTGGAAAGTGGGATGGCAGTACCCGCTTCATCTA GTAGTCGGGGAGATCAAGAGAGGTATGGGACCTGAAGAGGATGGCAGACTGTGCAGTGCG GTGCACACCGGTCTCCAGGTTGTTTTCACCCTCCTGTCTCCTCCCAGGAGCTAACGTGTA AGCAAACATGTTTGGATAGAGGGCTGGTGCCACGCCCCAGGCTCACCCCGCCCGCACAGC CGTCGTCCACCCCTCCCCTTTCTTACAGATAAAGCTGAGGCTCGGCCAGGGACTGTGATA TACCCACATCCCCGGAACTAGGTGATCGCGGTGCAGGAACCAGGTGTGCCTTCGCGGGAT CCATGCCTTGAGGCCCAGGAACGCCCCGCCGCCAGCATGCCGTGGGACGCGCGGCGGCCT GGGGGTGGCGCGGACGGCGGGCCCGAGGCCTCGGGCGCGGCGCGCTCGCGAGCGCAGAAG CAGTGCCGCAAGTCGTCGTTCGCCTTCTACCAGGCGGTGCGCGACCTGCTACCCGTGTGG CTGCTGGAGGATATGCGCGCCAGCGAGGCCTTCCACTGGGACGAGCGCGGGCGCGCCGCC GCCTACTCGCCCTCTGAGGCGCTGCTCTACGCGCTCGTGCACGACCACCAAGCGTACGCG CATTACCTGCTGGCCACGTTCCCGCGGCGCGCGCTCGCACCGCCCAGTGCCGGCTTCCGC TGCTGCGCGGCTCCCGGGCCGCACGTGGCGCTGGCAGTGCGCTACAACCGCGTGGGCATT CTGCGCCGCATCCTGCGCACCTTGCGCGACTTCCCGGCCGAGGAGCGGGCGCGCGTGCTG GACCGGCGTGGCTGCAGCCGCGTGGAGGGCGGTGGCACGTCGCTGCACGTGGCCTGTGAG CTGGCGCGCCCCGAGTGCCTCTTCCTGCTGCTGGGCCACGGCGCCTCGCCCGGTCTGCGG GACGGCGGCGGCCTCACGCCTCTCGAGCTGCTGCTGCGCCAGCTGGGCCGCGACGCCGGG GCCACTCCCTCCGCCGCCGGAGCCCCCGCCTCAGCTCCCGGGGAGCCGCGCCAGCGCCGC CTGCTGCTGCTGGACCTCCTGGCGCTGTACACCCCCGTGGGTGCCGCCGGCTCGGCCCGC CAGGAGCTGCTGGGCGACCGGCCGCGCTGGCAGCGGCTGCTGGGTGAGGACAAGTTCCAG TGGCTGGCGGGCCTGGCGCCGCCCTCGCTCTTCGCGCGCGCCATGCAGGTGCTGGTCACC GCCATCTCTCCAGGCCGCTTCCCCGAGGCCCTGGACGAGCTGCCGCTGCCCCCATTCCTG CAGCCGTTGGACCTCACTGGCAAAGGCTAGGCCCGGAGCACCCTAGGCGCTGGATTTTGG GACAAAACTATTTTTCAGAGCGTTGTACCGGCACTTTATATATATTGATCTCTGTACGGC AAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire

View online »

ACCN:	NM_152326
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_152326.2, NP_689539.1
RefSeq Size:	1626 bp
RefSeq ORF:	954 bp
Locus ID:	122416
UniProt ID:	Q96BM1
Cytogenetics:	14q32.31
Domains:	ANK
Gene Summary:	Substrate receptor subunit of a cullin-RING superfamily E3 ligase complex (CUL5-based E3 ubiquitin ligase complex) which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:30293565). Depending of the metabolic state of the cell, promotes the proteasomal degradation of IMPDH2, the rate-limiting enzyme in GTP biosynthesis or protects IMPDH2 by stabilizing IMPDH2 filaments assembly (PubMed:30293565, PubMed:31337707). Implicated in different cellular processes, like copper homeostasis and cell proliferation (PubMed:24522796, PubMed:30293565).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three 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.