

Product datasheet for **SC309184**

ANKRD17 (NM_032217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD17 (NM_032217) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD17
Synonyms:	GTAR; MASK2; NY-BR-16
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032217, the custom clone sequence may differ by one or more nucleotides

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GGCCCTCAAACGGTGTGGACTGGACCCTGGGCACCTCACATGAACAGTGTGCATATGAAC
CAGCTTGGCTGA

Restriction Sites:

Please inquire

ACCN:	NM_032217
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:	<u>NM_032217.3, NP_115593.3</u>
RefSeq Size:	9390 bp
RefSeq ORF:	7812 bp
Locus ID:	26057
UniProt ID:	<u>O75179</u>
Cytogenetics:	4q13.3
Domains:	ANK, KH
Gene Summary:	The protein encoded by this gene belongs to the family of ankyrin repeat-containing proteins, and contains two distinct arrays of ankyrin repeats in its amino-terminal region, one with 15 ankyrin repeats, and the other with 10 ankyrin repeats. It also contains a nuclear export signal, nuclear localization signal, and a cyclin-binding RXL motif. Localization of this protein to the nucleus has been shown experimentally, and interactions between this protein and cyclin-dependent kinase 2 have been observed. It has been suggested that this protein plays a role in both DNA replication and in both anti-viral and anti-bacterial innate immune pathways. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).