

Product datasheet for **SC316089**

ANKRD12 (NM_001083625) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD12 (NM_001083625) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD12
Synonyms:	ANCO-2; ANCO1; GAC-1; Nbla00144
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001083625, the custom clone sequence may differ by one or more nucleotides

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ATGCCCAATCTGGGTTCAAAAACCAATTGAGAGTGAATTTCTGACAGTGACAGCAAT
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CAGCTCAAACCTCAGGAAGTGTATCCTGCCACCTATAAATCTATCAGCATTTACGAAATC
CAGGAGTTTTATGTTCCCTTGTGATGTTAACGACGACTTTGAATTGACTCCTATA

Restriction Sites:	Please inquire
ACCN:	NM_001083625
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_001083625.1</u> , <u>NP_001077094.1</u>
RefSeq Size:	10459 bp
RefSeq ORF:	6120 bp
Locus ID:	23253

UniProt ID: [Q6UB98](#)

Cytogenetics: 18p11.22

Gene Summary:

This gene encodes a member of the ankyrin repeats-containing cofactor family. These proteins may inhibit the transcriptional activity of nuclear receptors through the recruitment of histone deacetylases. The encoded protein interacts with p160 coactivators and also represses transcription mediated by the coactivator alteration/deficiency in activation 3 (ADA3). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (2) lacks an exon in the 5' coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Variants 2 and 3 encode the same isoform (2). 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.