

## Product datasheet for **SC328361**

### **C2orf28 (ATRAID) (NM\_001170795) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	C2orf28 (ATRAID) (NM_001170795) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	ATRAID
<b>Synonyms:</b>	APR--3; APR-3; APR3; C2orf28; HSPC013; p18; PRO240
<b>Mammalian Cell Selection:</b>	None
<b>Vector:</b>	<u><a href="#">pCMV6-XL5</a></u>
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001170795, the custom clone sequence may differ by one or more nucleotides ATGGCGCCTCACGACCCGGGTAGTCTTACGACCCTGGTGCCTGGGCTGCCGCCCTGCTC CTCGCTCTGGGCGTGAAAGGGCTCTGGCGCTACCCGAGATATGCACCCAATGTCCAGGG AGCGTGCAAAATTTGTCAAAAGTGGCCTTTTATTGTAACGACACGAGACTAATGCTG CATGCCGTTGCTGCCTGAATCAGAAGGGCACCATCTTGGGGCTGGATCTCCAGAAGTGT TCTCTGGAGGACCCTGGTCCAACTTTCATCAGGCACATACCACTGTCATCATAGACCTG CAAGCAAACCCCTCAAAGGTGACTTGGCCAACACCTCCGTGGCTTTACTCAGCTCCAG ACTCTGATACTGCCACAACATGTCAACTGTCCTGGAGGAATTAATGCCTGGAATACTATC ACCTCTTATATAGACAACCAAATCTGTCAAGGGCAAAGAACCTTTGCAATAAAGCTGGG GACCCAGAAATGTGCTCCTGAGAATGGATCTTGTGTACCTGATGGTCCAGGTCTTTGCGAG TGTGTTTGTGCTGATGGTTTCCATGGATACAAGTGTATGCGCCAGGGCTGTTTCTCACTG CTTATGTTCTTCGGGATTCTGGGAGCCACCACTCTATCCGTCTCCATTCTGCTTTGGGCG ACCCAGCGCCGAAAAGCCAAGACTTCATGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001170795
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001170795.1, NP_001164266.1</u>
<b>RefSeq Size:</b>	958 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	51374
<b>UniProt ID:</b>	<u>Q6UW56</u>
<b>Cytogenetics:</b>	2p23.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>This gene is thought to be involved in apoptosis, and may also be involved in hematopoietic development and differentiation. The use of alternative splice sites and promoters result in multiple transcript variants encoding different isoforms.[provided by RefSeq, Dec 2009]</p> <p>Transcript Variant: This variant (3) starts from an alternate promoter, compared to variant 2. This difference cause translation initiation from a downstream in-frame AUG and an isoform (c) with a shorter N-terminus compared to isoform b. This isoform contains a signal peptide domain that is not present in isoform a or b and is likely a secreted protein.</p>