

Product datasheet for **SC114444**

C2orf28 (ATRAID) (NM_016085) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf28 (ATRAID) (NM_016085) Human Untagged Clone
Tag:	Tag Free
Symbol:	C2orf28
Synonyms:	APR--3; APR-3; APR3; C2orf28; HSPC013; p18; PRO240
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114444 sequence for NM_016085 edited (data generated by NextGen Sequencing)

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ATGCTGCATGCCGTTGCTGCCTGAATCAGAAGGGCACCATCTTGGGGCTGGATCTCCAG
AACTGTTCTCTGGAGGACCCTGGTCCAAACTTTTCATCAGGCACATACCACTGTCATCATA
GACCTGCAAGCAAACCCCTCAAAGGTGACTTGGCCAACACCTTCCGTGGCTTTACTCAG
CTCCAGACTCTGATACTGCCACAACATGTCAACTGTCCTGGAGGAATTAATGCCTGGAAT
ACTATCACCTTTATATAGACAACCAAATCTGTCAAGGGCAAAAGAACCTTTGCAATAAC
ACTGGGGACCCAGAAATGTGTCCTGAGAATGGATCTTGTGTACCTGATGGTCCAGGTCTT
TTGCAGTGTGTTTGTGCTGATGGTTTCCATGGATACAAGTGTATGCGCCAGGGCTCGTTC
TCACTGCTTATGTTCTTCGGGATTCTGGGATCCACCACTCTATCCGTCTCCATTCTGCTT
TGGGCGACCCAGCGCCGAAAAGCCAAGACTTCATGA
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Clone variation with respect to NM_016085.4
451 g=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016085 unedited
 TGTAATACGACTTACTATAGGGCGGCCGGAATTCGCACGAGGAAAAATGGCGCCTCACGG
 CCCGGGTAGTCTTACGACCCTGGTGCCTGGGCTGCCGCCCTGCTCCTCGCTCTGGGCGT
 GGAAAGGGCTCTGGCGCTACCCGAGATATGCACCAATGTCCAGGGAGCGTGCAAAATTT
 GTCAAAAGTGGCCTTTTATTGTAACGACACGAGAGCTAATGCTGCATGCCCGTTGCTG
 CCTGAATCAGAAGGCACCATCTTGGGGCTGGATCTCCAGAACTGTTCTCTGGAGGACCC
 TGGTCCAAACTTTCATCAGGCACATACCACTGTCATCATAGACCTGCAAGCAAACCCCT
 CAAAGGTGACTTGGCCAACACCTTCCGTGGCTTTACTCAGCTCCAGACTCTGATACTGCC
 ACAACATGTCAACTGTCCTGGAGGAATTAATGCCTGGAATACTATCACCTTATATAGA
 CAACCAATCTGTCAAGGGCAAAGAACCTTTGCAATAACACTGGGGACCCAGAAATGTG
 TCCTGAGAATGGATCTTGTGTACCTGATGGTCCAGGTCTTTGTCAGTGTGTTGTGCTGA
 TGGTTTCCATGGATAACAAGTGTATGCGCCAGGGCTCGTTCTCACTGCTTATGTTCTTCGG
 GATTCTGGGATCCACCACTCTATCCGTTTCCATTCTGCTTTGGGCCGACCAACGCCCAA
 AGCCAAGACTTTCATGAACACATAGGTCCTAACATTGGAACCTAAGATACATCTTGAAC
 ATCTTAACCCCATTCAGGGAACCTGGCTCCAAAAAAGGCATTCTTTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016085 unedited
 TACTTTGCACCGCGCCGCAATCTAAGATCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTT
 TT
 TAGGCAACACCCCAAGGGAACTGGTTTTTGTCTACCCCAAGGGAGGGCAATTTTTTAT
 TTTCCAAGGGGGCCTAACCTTGGGGAAATCCACTGGGAAAAATGCCTTTTTAGGAG
 GCAAACCTCCCTGACTGGGCTAAAAAGTTCAAATTGATCTTAGGTAAGGGAAAAACCT
 ATGGAGTTAAAGAAGTCTTGGTTTTTCGGGGCTGGCCCCCAAAGCAAATGGAACCGG
 ATAAAGGGGGGACCCCAAAATCCAAAAAACATAACCAGGAAAAACAACCCCTGGGGCA
 TACCCTTGTTCATGGAACCATCACCCAAAAACCCCTGAAAAAACCTGGACCATCAG
 GTCCCCAAAATCCTTTCTAAGGACACATTTTTGGGTCCCCAGGGTTATTGAAAAGTTTT
 TTTGCCCTTGA AAAATTTGGGGTGCCATAAAAAAGGGGAAAGTATCCCAGGCATTAATCC
 CTCCACAACAGTTGACATGTTGGGGAAATATAAAAGTCTGGACCCGAAAAAGCCCCGCG
 AGGTGTTGGCCAATAACTCTTGAGGGGGTTTGTCTCCAGGTCTATAAACACAGTGGTATG
 CCCCCAAAAAATTTGACACAGGTCTCCAAAAACAAGTTTGGGAAATCCACCCAAAA
 GGTGCCCTTTGAATTAGCAAAACGGGGCCTGCACATTAACCTTTGGGCCCGCTTAAAA
 AAAAGGCCCTTTTGAATATTTGGACCCCTCTGGACATTGGGAAAAATTGGGAAGGCCAA
 AACCTTCCCCCCCCAAGAAGAAAGCGGCACACAAGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_016085

Insert Size:

980 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).

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_016085.3](#), [NP_057169.2](#)

RefSeq Size: 1417 bp

RefSeq ORF: 516 bp

Locus ID: 51374

UniProt ID: [Q6UW56](#)

Cytogenetics: 2p23.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: 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]
Transcript Variant: This variant (1) starts from an alternate promoter and uses an alternate splice site in the 5' UTR, compared to variant 2. These differences cause translation initiation from a downstream in-frame AUG and an isoform (a) with a shorter N-terminus compared to isoform b.