

Product datasheet for **RC229723**

C2orf28 (ATRAID) (NM_001170795) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf28 (ATRAID) (NM_001170795) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2orf28
Synonyms:	APR--3; APR-3; APR3; C2orf28; HSPC013; p18; PRO240
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229723 representing NM_001170795 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCTCACGACCCGGGTAGTCTTACGACCCTGGTGCCCTGGGCTGCCGCCCTGCTCCTCGCTCTGG
GCGTGAAAGGGCTCTGGCGCTACCCGAGATATGCACCCAATGTCCAGGGAGCGTGCAAAATTTGTCAA
AGTGGCCTTTTATTGTAACGACACGAGAGCTAATGCTGCATGCCCGTTGCTGCCTGAATCAGAAGGGC
ACCATCTGGGGCTGGATCTCCAGAACTGTTCTCTGGAGGACCCTGGTCCAACTTTCATCAGGCACATA
CCACTGTCATCATAGACCTGCAAGCAAACCCCTCAAAGGTGACTTGCCAACACCTTCCGTGGCTTTAC
TCAGCTCCAGACTCTGATACTGCCACAACATGTCAACTGTCTGGAGGAATTAATGCCTGGAATACTATC
ACCTCTTATATAGACAACCAATCTGTCAAGGGCAAAAGAACCTTTGCAATAACTGGGGACCCAGAAA
TGTGTCCTGAGAAATGGATCTTGTGTACCTGATGGTCCAGGTCTTTGCAATGTTGCTGATGGTTT
CCATGGATACAAGTGTATGCGCCAGGGCTGTTCTCACTGCTTATGTTCTTCGGGATTCTGGGAGCCACC
ACTCTATCCGTCTCCATTCTGCTTTGGGCGACCCAGCGCCGAAAAGCCAAGACTTCA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229723 representing NM_001170795
Red=Cloning site Green=Tags(s)

MAPHPDPSLTTLPWAAALLLALGVERALALPEICTQCPGSVQNLKVAFYCKTTREMLHARCCLNQKG
 TILGLDLQNCSEDPGPNFHQAHTTVIIDLQANPLKGDLANFRGFTQLQTLILPQHVNCPGGINAWNTI
 TSYIDNQICQGQKNLCNNTGDPMECPENGSCVPDGPGLLQVCADGFHGYKCMRQGSFLLMFFGILGAT
 TLSVSILLWATQRRKAKTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001170795

ORF Size: 687 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001170795.3](#)

RefSeq ORF: 690 bp

Locus ID: 51374

UniProt ID: [Q6UW56](#)

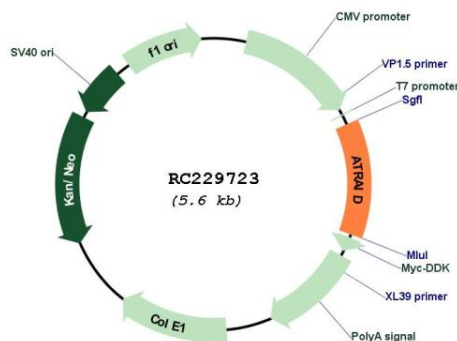
Cytogenetics: 2p23.3

Protein Families: Druggable Genome, Transmembrane

MW: 25.2 kDa

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]

Product images:



Circular map for RC229723