

Product datasheet for **RG229723**

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:	TurboGFP
Symbol:	ATRAID
Synonyms:	APR--3; APR-3; APR3; C2orf28; HSPC013; p18; PRO240
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229723 representing NM_001170795 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCGCCTCACGACCCGGGTAGTCTTACGACCCTGGTGCCCTGGGCTGCCGCCCTGCTCCTCGCTCTGGCGTGAAAGGGCTCTGGCGCTACCCGAGATATGCACCCAATGTCCAGGGAGCGTGCAAAATTTGTCAAAGTGGCCTTTTATTGTAAACGACACGAGAGCTAATGCTGCATGCCCGTTGCTGCCTGAATCAGAAGGGCACCATCTGGGGCTGGATCTCCAGAACTGTTCTCTGGAGGACCCTGGTCCAAACTTTCATCAGGCACATACCCTGTCCATCATAGACCTGCAAGCAAACCCCTCAAAGGTGACTTGCCAACACCTTCCGTGGCTTTACTCAGCTCCAGACTCTGACTGCCACAACATGTCAACTGTCTGGAGGAATTAATGCCTGGAATACTATCACCTTTATATAGACAACCAATCTGTCAAGGGCAAAAGAACCTTTGCAATAAACTGGGGACCCAGAAATGTGTCTGAGAAATGGATCTTGTGTACCTGATGGTCCAGGTCTTTTGCAGTGTGTTGTGCTGATGGTTCCATGGATACAAGTGTATGCGCCAGGGCTGTTCTCACTGCTTATGTTCTTCGGGATTCTGGGAGCCACCCTCTATCCGTCTCCATTCTGCTTTGGGCGACCCAGCGCCGAAAAGCCAAGACTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229723 representing NM_001170795
 Red=Cloning site Green=Tags(s)

MAPHPDPSLTTLPWAAALLLALGVERALALPEICTQCPGSVQNLKVAFYCKTTREMLHARCCLNQKG
 TILGLDLQNCLEDPGPNFHQAHTTVIIDLQANPLKGDLANTRFRGFTQLQTLILPQHVNCPGGINAWNTI
 TSYIDNQICQGQKNLCNNTGDPMECPENGSCVPDGPGLLQCVCADGFHGYKCMRQGSFSLLMFFGILGAT
 TLSVSILLWATQRRKAKTS

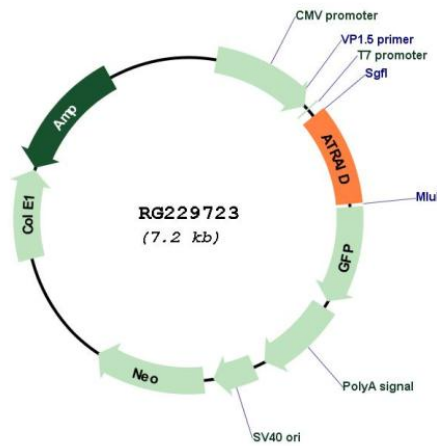
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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 Size:	958 bp
RefSeq ORF:	690 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]