

Product datasheet for **SC319818**

ARP10 (APOBEC3H) (NM_181773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARP10 (APOBEC3H) (NM_181773) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARP10
Synonyms:	A3H; ARP-10; ARP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_181773.2 CTGACCTTTTGTGACTTTTGGGAGAGCTGCCAAAAGTGAACCTAGTGCCTCAGACAAGC AGGGCAAGTCTGCTAAGGAAGCTGTGGCCAGAAGCACAGATCAGAAACACGATGGCTCT GTTAACAGCCGAAACATTCCGCTTACAGTTTAAACAACAAGCGCCGCTCAGAAGGCTTA CTACCCGAGGAAGGCCCTCTTGTGTTACCAGCTGACGCCGAGAATGGCTCCACGCCAC GAGAGGCTACTTTGAAAACAAGAAAAAGTCCATGCAGAAATTTGCTTTATTAACGAGAT CAAGTCCATGGGACTGGACGAAACGCAGTGCTACCAAGTACCTGTTACCTCACGTGGAG CCCCTGCTCCTCTGTGCCTGGGAGCTGGTTGACTTCATCAAGGCTCACGACCATCTGAA CCTGGGCATCTTCGCTCCCGCTGTACTACCACTGGTGAAGCCCGCAGAGAAGGGCT GCGGCTTCTGTGGATCCCAGGTCCCGGTGGAGGTCATGGGCTTCCCAGAGTTTGCTGA CTGCTGGGAAAACCTTTGTGGACCAGAGAAACCGCTTTCCTTCAACCCCTATAAGATGTT AGAGGAGCTAGATAAAAACAGTCGAGCCATAAAGCGACGGCTTGAGAGGATAAAGTCCTG AAGTGTGGATGTTTTAGAGAATGACTTAAGAAAGTTTGCAGCTTGACCCGTATCCCACTC ATTATCAAGAAGCAACTCAAGATGACTTTCCCTGGGGCATGTCAGTTGCCTCATAGCCTG CTGGTCTGTAAAGCAAGCACTAAGCTCCACAGTGCCAGTTCCTTGCCCAACCTGGCCCC ATCCAAGTACAGAAGACCTTCTTTCTCCTTTTCCATATTGCTTTCTGTTCTAAGTGG GTGAATAATTTTATAATTGAAAAATAAAGATAAAGTCTGTAATCCAGCCGGGTACGGT GGCTCACGCCTGTAATCCTAGCACTTTGGGAGGCTGAGATGCTCGCCAATAAATTTCTA TTGTTTATGAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_181773



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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:	<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:	<u>NM_181773.2, NP_861438.1</u>
RefSeq Size:	916 bp
RefSeq ORF:	552 bp
Locus ID:	164668
UniProt ID:	<u>Q6NTE7</u>
Cytogenetics:	22q13.1
Gene Summary:	<p>This gene encodes a member of the apolipoprotein B mRNA-editing enzyme catalytic polypeptide 3 family of proteins. The encoded protein is a cytidine deaminase that has antiretroviral activity by generating lethal hypermutations in viral genomes. Polymorphisms and alternative splicing in this gene influence its antiretroviral activity and are associated with increased resistance to human immunodeficiency virus type 1 infection in certain populations. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (SV-183) lacks an alternate exon, resulting in an alternate 3' coding region and 3' UTR, compared to variant SV-200. The encoded isoform (SV-183) has a distinct C-terminus and is shorter than isoform SV-200.</p>