

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005719 unedited
 TTGTATACGACTCATATAGGCGGCCGCGCATTCCGGCACGAGGCCTGGATCCTGCTCCTCT
 GGGTTGAAACCCGGGCGCCGCAAGATGCCGGCTTACCACTCTTCTCTCATGGATCCTGA
 TACCAAATCATCGGAAACATGGCACTGTTGCCTATCAGAAGTCAATTCAAAGGACCTGC
 CCCCAGAGAGACAAAAGATACAGATATTGTGGATGAAGCCATCTATTACTTCAAGGCCAA
 TGTCTTCTTCAAAAATATGAAATTAAGAATGAAGCTGATAGGACCTTGATATATATAAC
 TCTCTACATTTCTGAATGTCTGAAGAACTGCAAAAGTCAATTCAAAAGCCAAGGTGA
 GAAAGAAATGTATACGCTGGGAATCACTAATTTTCCATTCTGGAGAGCCTGGTTTTCC
 ACTTAACGCAATTTATGCCAAACCTGCAAAACAAACAGGAAGATGAAGTATGAGAGCCTA
 TTTACAACAGCTAAGGCAAGAGACTGGACTGAGACTTTGTGAGAAAGTTTTCGACCCTCA
 GAATGATAAACCCAGCAAGTGGTGGACTTGCTTTGTGAAGAGACAGTTCATGAACAAGAG
 TCTTTTCAGGACCTGNACAGTGAAGGGAGCCGGGCAGCCACCGTCTCCAGAGCCCTGGGC
 AGCATTNTCCAGCAAGATGTACACAATCTTTGCCTTTATTTCTGAAAGTTTTATACAGA
 AGAGAGAAGAGCATGTCTTTACTTGANAACCTTTGATCAAGAATTGGGTGGGGAGAAAA
 GAAGTGGNGTATCAAGGGTGATTTGAATTTCTGCAGCATTAAAGCTGCGCTTATAAGAA
 TAGTATATAAAGAAATTCTACATTCAAAAAATAAAAAAATN

3' Read Nucleotide Sequence: >OriGene 3' read for NM_005719 unedited
 AGCTTGTCCGCGCCGCAATTTANAGTCGGTTTTTTTTTTTTTTTTTTTGAAGGTAGAAAT
 TTTTTTATTACTTATTCTTATTAAGCGCCAGCTTTAATGCTGCAGAAAATTTCAAAT
 CACCCTTGATAACCCACTTTCTTTCTCCACCCAAATCTTGATCAAGAGTTTTTCAAG
 TAAAGACATGCTCTTCTCTCTTGTATAAACTTTACTAAATAAAGGCAAAAGATTGTG
 TACATGTGGCTGAAAAATGCTGCCAGGGCTCTGGAGACGGTGGCTGCCGGGCTCCCTT
 CACTGTCCAGGTCTGAAAGACTTTGTTTCATGAACTGCCTTTCACAAAGCAAGTCCAC
 CACTTGCTGGGTTTATCATTCTGAGGGTCGAAAATTTCTCACAAGTCTCAGTCCAGTC
 TCTTGCCTTACCTGCTGCAAAATAGGCTCTCATCACTTCATCTTCTGTTTGCCTGCAGGC
 TCGGCATAAAATGCCGTAAGTGGAAACACCAGCTTTTCAGGAATGGGAAAATAGTGATTC
 CCAGCGTATACATTCCCTTCTCACCTGGGTTCTTGAATGACTTTTTGCAGGCCCTCA
 CACCTTCAAACCCGATAGACGCATTTTCATCCAGGGCCTATCAGCTTCATCCTTATTTT
 ATAAGTTTTGAAAACCATCGGCCCTTGAACACCAAAAGGGCTCCACCACAACCCCC
 GGACTTTTGGCTCCCGGGGGCAGGCCCTTCAAAATGACTCCCGAAAGGAACAGGGCCA
 CGTTTTCCGAGGGTTCGGCCCCAGGATCCCCGAAAAACAAGGGCACCCCCCTTCT
 GCGGCGCCGGGCTTAAACCCAAGGCGACTGATCCCGCCCTTGTCCCCATATCCGCGCG
 CGTTCACGGGGCGTATTCCAAATCCCCCGGCCATTAC

Restriction Sites: NotI-NotI

ACCN: NM_005719

Insert Size: 770 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:	<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_005719.2, NP_005710.1</u>
RefSeq Size:	912 bp
RefSeq ORF:	537 bp
Locus ID:	10094
Cytogenetics:	12q24.11
Domains:	P21-Arc
Protein Pathways:	Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
Gene Summary:	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been conserved through evolution and is implicated in the control of actin polymerization in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]