

## Native Porcine ARPC2 Protein (Arp2/3 Protein Complex)

Cat. No. ARPC2-01P    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The protein complex has been purified from porcine brain.
<b>Species</b>	Porcine
<b>Source</b>	Brain
<b>Description</b>	The Arp2/3 protein complex consists of 7 protein subunits, all present in approximately equal stoichiometry. The Arp2/3 complex is a key regulator of actin filament nucleation and the protein subunits are highly evolutionarily conserved.
<b>Form</b>	Lyophilized powder
<b>Molecular Mass</b>	The molecular weight of the Arp2/3 complex is 224 kDa.
<b>Purity</b>	Protein purity is determined by scanning densitometry of Coomassie Blue stained protein on a 4-20 % polyacrylamide gel. Arp2/3 protein complex is determined to be 90 % pure
<b>Applications</b>	<ol style="list-style-type: none"><li>1. Positive control for in vitro actin polymerization stimulating compounds</li><li>2. Discovery of Arp2/3 activating or inhibiting compound</li><li>3. Characterization and discovery of Arp2/3 interacting proteins</li></ol>
<b>Storage Buffer</b>	20 mM Tris pH 7.5, 25 mM KCl, 1 mM MgCl <sub>2</sub> , 0.5 mM EDTA, 0.1 mM ATP, 1 % dextran and 5 % sucrose

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**Reconstitution**      Distilled water

## GENE INFORMATION

**Gene Name**      ARPC2 actin related protein 2/3 complex subunit 2 [ *Sus scrofa* (pig) ]

**Official Symbol**      ARPC2

**Synonyms**      ARPC2; actin related protein 2/3 complex subunit 2; actin-related protein 2/3 complex subunit 2

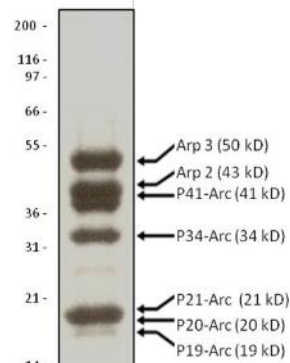
**Gene ID**      100153175

**mRNA Refseq**      NM\_001190239

**Protein Refseq**      NP\_001177168

**UniProt ID**      A0A4X1UM70

**Purity**

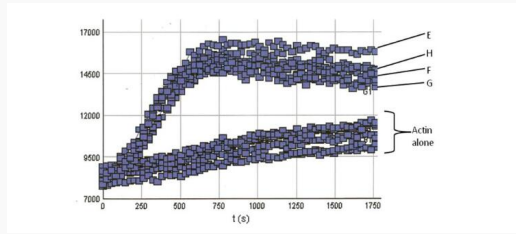


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**Actin Polymerization  
Assay with Arp2/3  
and VCA domain  
proteins.**



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