

Native Porcine ARPC2 Protein (Arp2/3 Protein Complex)

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

SPECIFICATION

Product Overview	The protein complex has been purified from porcine brain.
Species	Porcine
Source	Brain
Description	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.
Form	Lyophilized powder
Molecular Mass	The molecular weight of the Arp2/3 complex is 224 kDa.
Purity	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
Applications	1. Positive control for in vitro actin polymerization stimulating compounds 2. Discovery of Arp2/3 activating or inhibiting compound 3. Characterization and discovery of Arp2/3 interacting proteins
Storage Buffer	20 mM Tris pH 7.5, 25 mM KCl, 1 mM MgCl ₂ , 0.5 mM EDTA, 0.1 mM ATP, 1 % dextran and 5 % sucrose

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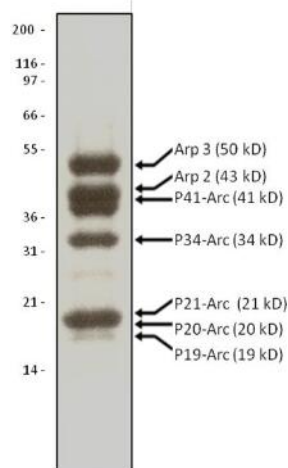
 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution Distilled water

GENE INFORMATION

Gene Name	ARPC2 actin related protein 2/3 complex subunit 2 [<i>Sus scrofa</i> (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

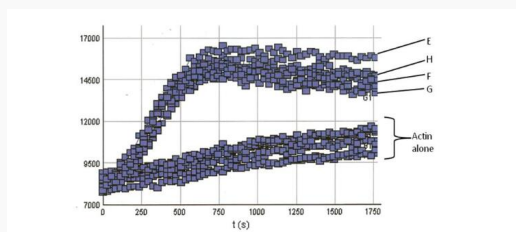


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**Actin Polymerization
Assay with Arp2/3
and VCA domain
proteins.**



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