

AR50834PU-N**Human ARPC2 / ARC34 (1-300, His-tag) - Purified****Alternate names:**

Actin-related protein 2/3 complex subunit 2, Arp2/3 complex 34 kDa subunit, PRO2446, p34-ARC

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

Actin-related protein 2/3 complex subunit 2, also known as ARPC2, belongs to the Rho family of small GTPases. This protein is one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein, the p34 subunit, has yet to be determined.

Uniprot ID:

[O15144](#)

NCBI:

[NP_005722](#)

GeneID:

[10109](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT

Description:

Recombinant human ARPC2L protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMILLEVN NRIIEETLAL KFENAAAGNK PEAVEVTFAD
FDGVLYHISN PNGDKTKVMV SISLKFYKEL QAHADELK RYVGSFLVNP ESGYNVSLLY
DLENLPASKD SIVHQAGMLK RNCFASVFKE YFQFQEEGKE GENRAVIHYR DDETMYVESK
KDRVTVVFST VFKDDDDVVI GKVFMQEFKE GRRASHTAPQ VLFSSHREPL ELKDTDAAVG
DNIGYITFVL FPRHTNASAR DNTINLIHTF RDYLHYHIKC SKAYIHRMR AKTSDFLKVL
NRARPDAEKK EMKTITGKTF SSR

Molecular weight: 36.7 kDa (323aa) confirmed by MALDI-TOF

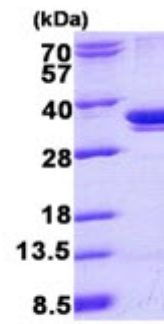
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Mullins R D., et al. (1998) Proc Natl Acad Sci USA. 95:6181-6186. Syitkina T M., et al. (1999) J Cell Biol. 145:1009-1026.

Pictures:



15% SDS-PAGE (3ug)