

Recombinant human ARPC2 protein

Catalog Number: ATGP2010

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-300aa

UniProt No.

O15144

NCBI Accession No.

NP_005722

Alternative Names

Actin-related protein 2/3 complex subunit 2, ARC34, p34-Arc, PNAS-139, PRO2446

PRODUCT SPECIFICATION

Molecular Weight

36.7 kDa (323aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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Amino acid Sequence

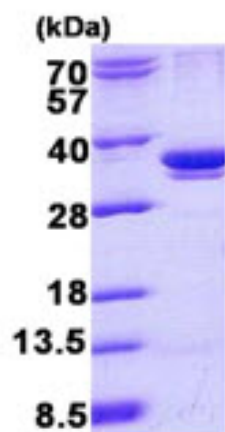
MGSSHHHHHH SSGLVPRGSH MGSMILLEVN NRIIEETLAL KFENAAAGNK PEAVEVTFAD FDGVLYHISN PNGDKTKVMV
SISLKFYKEL QAHGADLLK RVYGSFLVNP ESGYNSLLY DLENLPASKD SIVHQAGMLK RNCFASVFEK YFQFQEEGKE
GENRAVIHYR DDETMVESK KDRVTVVFST VFKDDDDVVI GKVFMQEFKE GRRASHTAPQ VLFSHREPL ELKDTDAAVG
DNIGYITFVL FPRHTNASAR DNTINLIHTF RDYLHYHIKC SKAYIHTRMR AKTSDFLKVL NRARPDAEKK EMKTITGKTF SSR

General References

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)