Recombinant human ARPC5 protein

Catalog Number: ATGP1075

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-151aa

UniProt No.
O15511

NCBI Accession No.
NP_005708

Alternative Names
Actin related protein 2/3 complex subunit 5, Actin related protein 2/3 complex, subunit 5, p16-ARC, ARC16

PRODUCT SPECIFICATION

Molecular Weight
18.4 kDa (171aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.1M NaCl

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
p16-ARC, also known as ARPC5, is a 151 amino acid subunit of the Arp2/3 complex. Thought to play a role in maintaining the integrity of Arp2/3, ARPC5 is a substrate for MAPKAPK-2 which, through phosphorylation of ARPC5, may participate in Arp2/3 regulatory functions and remodeling of the Actin cytoskeleton. Two isoforms of ARPC5 exist due to alternative splicing events. Recombinant human ARPC5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human ARPC5 protein

Catalog Number: ATGP1075

Amino acid Sequence

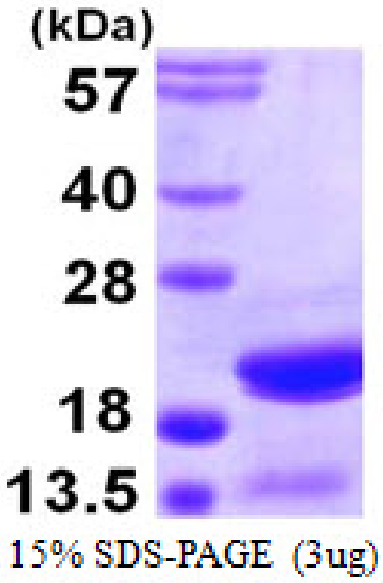
MGSSHHHHHH SSGLVPRGSH MSKNTVSSAR FRKVDVDEYD ENKFVDEEDG GDGQAGPDEG EVDSCLRQGN MTAALQAALK NPPINTKSQA VKDRAGSIVL KVLISFKAND IEKAVQSLDK NGVDLLMKYI YKGFESPSDN SSAMLLQWHE KALAAGGVGS IVRVLTARKT V

General References

Machesky L M., et al. (1998) Biochem J. 328:105-112.
Welch M D., et al. (1997) J Cell Biol. 138:375-384.

DATA

SDS-PAGE



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