

Recombinant human ACTR3 protein

Catalog Number: ATGP2835

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-418aa

UniProt No.

P61158

NCBI Accession No.

NP_005712

Alternative Names

ARP3 actin-related protein 3, ARP3, Actin-like protein 3, Actin related protein 3

PRODUCT SPECIFICATION

Molecular Weight

49.8 kDa (441aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

The specific function of ACTR3 has not yet been determined; however, this protein is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Three transcript variants encoding two different isoforms have been found for this gene. Recombinant human ACTR3 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMAGRLPA CVVDCGTGYT KLG YAGNTEP QFIIPSCIAI KESAKVGDQA QRRVMKGVDD
LDFFIGDEAI EKPTYATKWP IRHGIVEDWD LMERFMEQVI FKYLRAEPED HYFLLTEPPL NTPENREYTA EIMFESFNVP
GLYIAVQAVL ALAASWTSRQ VGERTLTGTV IDSGDGVTHV IPVAEGYVIG SCIKHIPIAG RDITYFIIQQL LRDREVGIPP
EQSLETAKAV KERYSYVCPD LVKEFNKYDT DGSKWIKQYT GINAISKKEF SIDVGYERFL GPEIFFHPEF ANPDFTQPIS
EVDVEVIQNC PIDVRRPLYK NIVLSGGSTM FRDFGRRLQR DLKRTVDARL KLSEELSGGR LKPKPIDVQV ITHHMQR YAV
WFGGSMLAST PEFYQVCHTK KDYEEIGPSI CRHNPVFGVM S

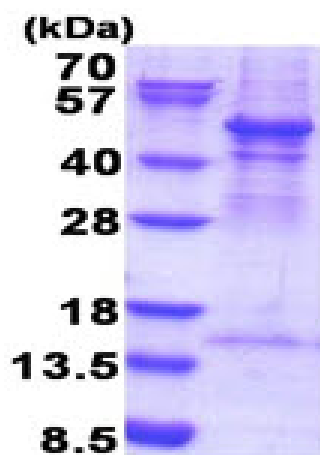
General References

Welch M.D., et al. (1997) Nature. 385:265-269

Kim J., et al. (2010) Nature. 464:1048-1051

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)