

AR51655PU-S

Human ACTR3 (1-418, His-tag) - Purified

Alternate names:

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

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P61158](#)

NCBI:

[NP_005712](#)

GeneID:

[10096](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Description:

Recombinant human ACTR3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMAGRLPA CVVDCGTGYT KLGAGNTEP QFIIPSCIAI
KESAKVGDQA QRRVMKGVDD LDDFFIGDEAI EKPTYATKWP IRHGIVEDWD LMERFMEQVI
FKYLRAPED HYFLLTEPPL NTPENREYTA EIMFESFNVP GLYIAVQAVL ALAASWTSRQ
VGERTLTGTV IDSGDGVTHV IPVAEGYVIG SCIKHIPIAG RDITYFIQQL LRDREVGIPP
EQSLETAKAV KERYSYVCPD LVKEFNKYDT DGSKWIKQYT GINAISKKEF SIDVGYERFL
GPEIFFHPEF ANPDFTQPIS EVVDEVIQNC PIDVRRPLYK NIVLSGGSTM FRDFGRRLQR
DLKRTVDARL KLSEELSGGR LKPKPIDVQV ITHMQRYAV WFGGSMFAST PEFYQVCHTK
KDYEEIGPSI CRHNPVFGVM S

Molecular weight: 49.8 kDa (441aa)

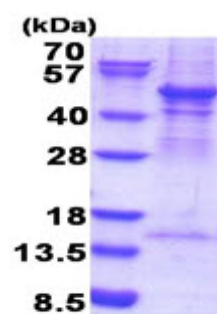
Storage:

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:

Welch M.D., et al. (1997) Nature. 385:265-269 Kim J., et al. (2010) Nature. 464:1048-1051

Pictures:



15% SDS-PAGE (3ug)