

Product information

ACTR3, 1-418aa

Human, His-tagged, Recombinant, *E.coli*

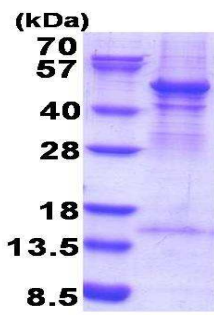
Cat. No. IBATGP2835

Full name: ARP3 actin-related protein 3

NCBI Accession No.: NP_005712

Synonyms: ARP3

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*.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol</p> <p>Molecular Weight: 49.8 kDa (441aa)</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <pre> MGSSHHHHH SSGLVPRGSH MGSMAGRLPA CVVDCGTGYT KLG YAGNTEP QF I I P S C I A I K E S A K V G D Q A Q R R V M K G V D D L D F F I G D E A I E K P T Y A T K W P I R H G I V E D W D L M E R F M E Q V I F K Y L R A E P E D H Y F L L T E P P L N T P E N R E Y T A E I M F E S F N V P G L Y I A V Q A V L A L A A S W T S R Q V G E R T L T G T V I D S G D G V T H V I P V A E G Y V I G S C I K H I P I A G R D I T Y F I Q Q L L R D R E V G I P P E Q S L E T A K A V K E R Y S Y V C P D L V K E F N K Y D T D G S K W I K Q Y T G I N A I S K K E F S I D V G Y E R F L G P E I F F H P E F A N P D F T Q P I S E V V D E V I Q N C P I D V R R P L Y K N I V L S G G S T M F R D F G R R L Q R D L K R T V D A R L K L S E E L S G G R L K P K P I D V Q V I T H H M Q R Y A V W F G G S M L A S T P E F Y Q V C H T K K O Y E E I G P S I C R H N P V F G V M S </pre>	

General references:

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

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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