

Product information



ARC, 1-396aa

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

Cat. No. IBATGP2016

Full name: Activity-regulated cytoskeleton-associated protein

NCBI Accession No.: NP_056008

Synonyms: Arg3.1, KIAA0278

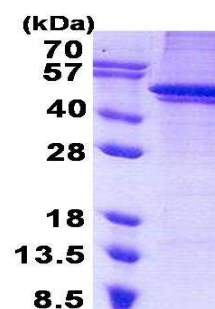
Description: Activity-regulated cytoskeleton-associated protein, also known as ARC, is required for consolidation of synaptic plasticity as well as formation of long-term memory. This protein regulates endocytosis of AMPA receptors in response to synaptic activity. This protein required for homeostatic synaptic scaling of AMPA receptors. This protein plays a role in the regulation of cell morphology and cytoskeletal organization. Recombinant human ARC protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl,
10% glycerol, 1mM DTT

Molecular Weight: 47.4 kDa (416aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MELDHRTSGG LHAYPGPRGG QVAKPNVILQ IGKCAEMLE HVRRTHRHLL AEVSKQVERE LKGLHRSVGK
LESNLDGYVP TSDSQRWKKS IKACLRCQEQ TIANLERWVK REMHVWREVF YRLERWADRL ESTGGKYPVG SESARHTVSV GVGGPESYCH
EADGYDYTVS PYAITPPAA GELPGQEPAE AQYQWPWPG EDGQSPSGVD TQIFEDPREF LSHLEEYLRQ VGGSEYWLS QIQNHMNGPA
KKWWEFKQGS VKNWVEFKKE FLQYSEGTL S REAIQRELDL PQKQGEPLDQ FLWRKRDL YQ TLYVDADEEE I IQYVVGTLQ PKLKRFLRHP
LPKTLEQLIQ RGMEVQDDLE QAAEPAGPHL PVEDEAETLT PAPNSESVA S DRTQPE

General references:

Nagase T., *et al.* (1996) *DNA Res.* 3:321-329

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.



Manufactured for:

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