

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

ARC, 1-396aa, Human, His tag, E.coli

产品货号: TP01204

第三版

**别名:**Activity-regulated cytoskeleton-associated protein, Arg3.1, KIAA0278

**描述:**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.

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

**分子量:**47.4 kDa (416aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMELDHRTSGGLHAYPGPRGGQVAKPNVILQIGKCRAEMLEHVRRTHRHLAEVSKQV  
ERELKGLHRSVKGLESNLDGYVPTSDSQRWKKSIKACLRCQETIANLERWVKREMHVWREVFYRLERWADRLESTGGK  
YPVGSERARHTVSVGVGGPESYCHEADGYDYTVSPYAITPPPAAGELPGQEPAEAQQYQPWVPGEDGQPSPGVDTQIFED  
PREFLSHLEEYLRQVGGSEEYWLSQIQNHMNGPAKKWWEFKQGSVKNWVEFKKEFLQYSEGTLRSREAIQRELDLPQKQG  
EPLDQFLWRKRDLYQTLTYVDADEEEIIQYVVGTLQPKLKRFLRHPLPKTLEQLIQRGMEVQDDLEQAAEPAGPHLPVEDE  
AETLTPAPNSESVASDRTQPE

**纯度:**> 95% by HPLC

**浓度:**0.5 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.