

## Activity-Regulated Cytoskeleton-Associated Protein Human Recombi-

<b>Item Number</b>	rAP-3925
<b>Synonyms</b>	Arg3.1, KIAA0278, Activity-regulated cytoskeleton-associated protein, Activity-regulated gene 3.1 protein homolog, ARC.
<b>Description</b>	ARC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 416 amino acids (1-396 a.a.) and having a molecular mass of 47.4kDa. ARC is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q7LC44
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MELDHRTSGG LHAYGPRGG QVAKPNVILQ IGKCRAEMLE HVRRTTHRLL AEVSKQVERE LKGLHRVSGK LESNLDGYVP TSDSQRWKKK IKACLCRCQE TIAN- LERWVK REMHWREVF YRLERWADRL ESTGGKYPVG SESARHTVSV GVGGPESYCH EADGYDYS PYAITPPPA GELPGQEPAE AQYQPWVPG EDGQSPGVD TQIFEDPREF LSHLEELRQ VGGSEEWLS QIQNHMNGPA KKWWFEKQGS VKNWVEFKKE FLQYSEGTL REAI- QRELDL PQKQGEPLDQ FLWRKRDLYQ TLYVDADEEE IIQYVVGTLQ PKLKRFLRHP LPKTLEQLIQ
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	ARC protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**