9051 Mira Mesa Blvd, #910094
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ARC Human

Activity-Regulated Cytoskeleton-Associated Protein Human Recombinant
RCP0091

Product Overview

Name	ARC Human
Description	
Activity-Regulated Cytoskeleton-Associated Protein Human Recombinant	
Accession (Primary)	Q7LC44
Synonyms	
Arg3.1, KIAA0278, Activity-regulated cytoskeleton-associated protein, Activity-regulated gene 3.1 protein homolog, ARC.	
Introduction	
Activity-regulated cytoskeleton-associated protein (ARC) takes part in the regulation of cell morphology and cytoskeletal organization and is required for consolidation of synaptic plasticity as well as formation of long-term memory. ARC regulates endocytosis of AMPA receptors in response to synaptic activity and is also required for homeostatic synaptic scaling of AMPA receptors. ARC is required in the stress fiber dynamics and cell migration.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
ARC protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MELDHRTSGG LHAYPGPRGG QVAKPNVILQ IGKCRAEMLE HVRRTHRHLL AEVSKQVERE LKGLHRSVGK LESNLDGYVP TSDSQRWKKS IKACLCRCQE TIANLERWVK REMHVWREVF YRLERWADRL ESTGGKYPVG SESARHTVSV GVGGPESYCH EADGYDYTVS PYAITPPPAA GELPGQEPAE AQQYQPWVPG EDGQPSPGVD TQIFEDPREF LSHLEEYLRQ VGGSEEYWLS QIQNHMNGPA KKWWEFKQGS	

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VKNWVEFKKE FLQYSEGTLS REAIQRELDL PQKQGEPLDQ FLWRKRDLYQ TLYVDADEEE IIQYVVGTLQ PKLKRFLRHP LPKTLEQLIQ RGMEVQDDLE QAAEPAGPHL PVEDEAETLT PAPNSESVAS DRTQPE.

Precautions

ARC Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q7LC44)