

Recombinant Human ARC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARC-596H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARC MS Standard C13 and N15-labeled recombinant protein (NP_056008) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Required for consolidation of synaptic plasticity as well as formation of long-term memory. Regulates endocytosis of AMPA receptors in response to synaptic activity. Required for homeostatic synaptic scaling of AMPA receptors. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the stress fiber dynamics and cell migration.
Molecular Mass	45.3 kDa
AA Sequence	MELDHRTSGGLHAYPGPRGGQVAKPNVILQIGKCRAEMLEHVRRTTHRLLAEVSKQ VERELKGLHRSVGKLESNLDGYVPTSDSQRWKKSIAKLCRCQETIANLERWVKRE MHVWREVFYRLERWADRLESTGGKYPVGSEARHTVSVGVGGPESYCHADGYD YTVSPYAITPPPAAGELPGQEPAEAQQYQPWVPGEDGQPSPGVDTQIFEDPREFLS HLEEYLRQVGGSEYWLSQLQNHMNGPAKKWWEFKQGSVKNWVEFKKEFLQYSE GTLSREAIQRELDLPQKQGEPLDQFLWRKRDLYQTLYVDADEEEIIQYVVGTLQPKL KRFLRHPLPKTLEQLIQRGMEVQDDLEQAAEPAGPHLPVEDEAETLTPAPNSESVAS DRTQPETRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

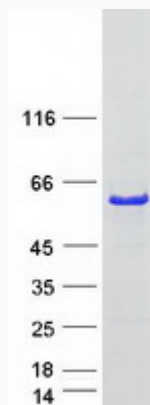
GENE INFORMATION

Gene Name	ARC activity-regulated cytoskeleton-associated protein [Homo sapiens (human)]
Official Symbol	ARC
Synonyms	ARC; activity-regulated cytoskeleton-associated protein; Arg3.1; KIAA0278; ARC/ARG3.1; activity-regulated gene 3.1 protein homolog;
Gene ID	23237
mRNA Refseq	NM_015193
Protein Refseq	NP_056008
MIM	612461
UniProt ID	Q7LC44

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SDS-PAGE

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