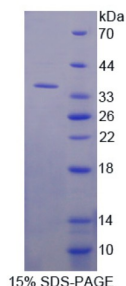


# Human Activity-Regulated Cytoskeleton-Associated Protein (ARC) Protein

Catalogue No.: abx167973



SDS-PAGE analysis of recombinant Human Activity Regulated Cytoskeleton Associated Protein.

Activity-Regulated Cytoskeleton-Associated Protein is a recombinant Human protein expressed in E. coli.

<b>Target:</b>	Activity-Regulated Cytoskeleton-Associated Protein (ARC)
<b>Origin:</b>	Human
<b>Expression:</b>	Recombinant
<b>Tested Applications:</b>	WB, SDS-PAGE
<b>Host:</b>	E. coli
<b>Conjugation:</b>	Unconjugated
<b>Form:</b>	Lyophilized
<b>Purity:</b>	> 97%
<b>Reconstitution:</b>	To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH <sub>2</sub> O. If a lower concentration is required, dilute in PBS, pH 7.4. If a higher concentration is required, the product can be reconstituted directly in PBS, pH 7.4, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.
<b>Storage:</b>	Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	Q7LC44 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	ARC

# Datasheet

Version: 3.0.0  
Revision date: 28 Mar 2025



**GeneID:** [23237](#)

**OMIM:** [612461](#)

**KEGG:** hsa:23237

**String:** [9606.ENSP00000349022](#)

**Molecular Weight:** Calculated MW: 36.6 kDa

Observed MW (SDS-PAGE): 40 kDa

Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

**Sequence Fragment:** Cys96-Gln356

**Sequence:** CRCQE TIANLERWVK REMHVWREVF YRLERWADRL ESTGGKYPVG SESARHTVSV  
GVGGPESYCH EAD  
GYDYTVS PYAITPPPA GELPGQEPAE AQQYQPWWPG EDGQPSPGVD TQIFEDPREF  
LSHLEEYLRQ V  
GGSEEWLS QIQNHMNGPA KKWWFEKQGS VKNWVEFKKE FLQYSEGTL S REAIQRELDL  
PQKQGEPLDQ  
FLWRKRDLYQ TLYVDADEEE IIQYVVGTLQ PKLKRFLRHP LPKTLEQLIQ RGMEVQ

**Tag:** N-terminal His tag

**Buffer:** Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Activity:** Not tested

**Concentration:** Prior to lyophilization: 300 µg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.