

Datasheet for ABIN7552360

## ARRDC4 Protein (AA 1-418) (His tag)



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### Overview

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Quantity:                     | 1 mg                                          |
| Target:                       | ARRDC4                                        |
| Protein Characteristics:      | AA 1-418                                      |
| Origin:                       | Human                                         |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This ARRDC4 protein is labelled with His tag. |

### Product Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:     | Custom-made recombinant ARRDC4 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence:    | <p>MGGEAGCAAA VGAEGRVKSL GLVFEDERKG CYSSGETVAG HVLLEASEPV ALRALRLEAQ<br/>           GRATAAWGPS TCPRASASTA ALAVFSEVEY LNVRLSLREP PAGEGIILLQ PGKHEFPFRF<br/>           QLPSEPLVTS FTGKYGSIQY CVRAVLERPK VPDQSVKREL QVSHVDVNT PALLTPVLKT<br/>           QEKMVGCVWF TSGPVLSAK IERKGYCNGE AIPIYAEIEN CSSRLIVPKA AIFQTQTYLA<br/>           SGKTKTIRHM VANVRGNHIA SGSTDWNGK TLKIPVTPS ILDCCIIRVD YSLAVYIHIP<br/>           GAKKLMLELP LVIGTIPYNG FGSRNSSIAS QFSMDMSWLT LTLPEQPEAP PNYADVSEE<br/>           EFSRHIPPYP QPPNCEGEVC CPVFACIQEF RFQPPPLYSE VDPHPSDVEE SQPVSFIL</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Product Details

### Characteristics:

### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

ARRDC4

### Alternative Name:

ARRDC4 ([ARRDC4 Products](#))

### Background:

Arrestin domain-containing protein 4,FUNCTION: Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (By similarity). Plays a role in endocytosis of activated G protein-coupled receptors (GPCRs) (Probable). Through an ubiquitination-dependent mechanism also plays a role in the incorporation of SLC11A2 into extracellular vesicles (By similarity). May play a role in glucose uptake (PubMed:19605364). Participates in innate immune response by promoting IFIH1/MDA5 activation through interaction with TRIM65 (PubMed:28594402). {ECO:0000250|UniProtKB:A0A0B4J1F4, ECO:0000269|PubMed:19605364, ECO:0000269|PubMed:28594402, ECO:0000305}.

### Molecular Weight:

45.5 kDa

### UniProt:

[Q8NCT1](#)

## Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|

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|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
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## Handling

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|         |        |
|---------|--------|
| Format: | Liquid |
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|         |                                                                  |
|---------|------------------------------------------------------------------|
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
|---------|------------------------------------------------------------------|

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|                  |                                    |
|------------------|------------------------------------|
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
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|          |        |
|----------|--------|
| Storage: | -80 °C |
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|                  |                 |
|------------------|-----------------|
| Storage Comment: | Store at -80°C. |
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|              |           |
|--------------|-----------|
| Expiry Date: | 12 months |
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