

## ADPRH/ARH1 recombinant protein

Recombinant ADPRH/ARH1 protein

CATALOG #  
**AAA60375**

HOST  
**E coli**

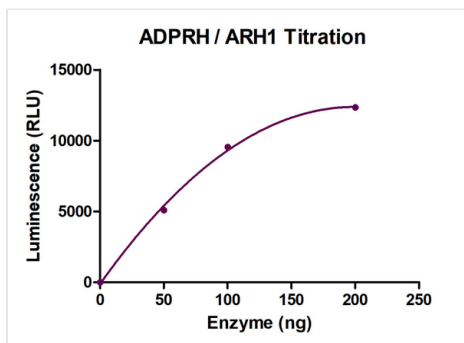
### PRODUCT SYNONYMS

ADPRH/ARH1; Recombinant ADPRH/ARH1 protein; ADP-ribosylarginine hydrolase; ADPRH/ARH1 recombinant protein

### PRODUCT SPECIFICATIONS

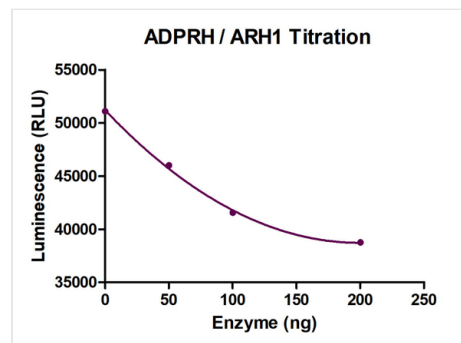
|                                |                                                                                                                                                                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | E coli                                                                                                                                                                                                                             |
| <b>Form/Format</b>             | Recombinant ADPRH/ARH1 protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.                                                                                                                               |
| <b>Protein Species</b>         | Human                                                                                                                                                                                                                              |
| <b>Protein Details</b>         | Recombinant ADPRH/ARH1 protein that includes full length of the human ADPRH/ARH1 protein (accession number NP_001116.1) was expressed in E coli cells with an C-terminal His tag, The molecular weight of the protein is 40.57kDa. |
| <b>Preparation and Storage</b> | Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.                                       |

### IMAGES



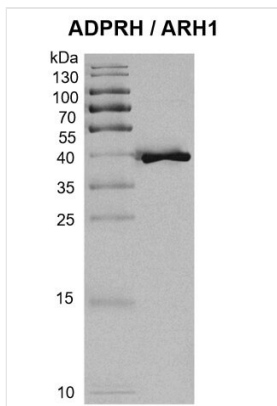
#### ELISA

ELISA for ADPRH/ARH1 activity 25uM NAD-Biotin and Activated DNA were added into ELISA plate (coated with histone H2A and H2B mixture) with PARP1 in ADPR Buffer and incubated for 1 hour at room temperature. After washing, different concentrations of ADPRH/ARH1 was added into each well and incubated in reaction buffer for 1 hour at room temperature. Following Streptavidin-HRP and ECL incubation, the plate was read in a luminometer or microtiter-plate reader.



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#### SDS-PAGE

Recombinant ADPRH/ARH1 protein gel. 12.5% SDS-PAGE gel stained with Coomassie Blue.  
MW: 40.57kDa Purity: >90%

### ADDITIONAL INFORMATION

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ADPRH/ARH1 recombinant protein | Protein ADP-ribosylation is a highly dynamic post-translational modification. The rapid turnover is achieved, among others, by ADP-(ribosyl)hydrolases (ARHs), an ancient family of enzymes that reverses this modification. Recently ARHs came into focus due to their role as regulators of cellular stresses and tumor suppressors. ADPRH/ARH1 (ADPribosylhydrolase ARH1) as one of ARHs. specifically acts as an arginine mono-ADP-ribosylhydrolase by mediating the removal of mono-ADP-ribose attached to arginine residues on proteins. |
| Product Categories/Family for ADPRH/ARH1 recombinant protein   | <a href="#">Recombinant Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### NCBI AND UNIPROT INFORMATION

|                  |          |
|------------------|----------|
| Molecular Weight | 40.57kDa |
|------------------|----------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/adprh/arh1-recombinant-protein-e-coli/60375>