



Recombinant Protein Technical Manual
Recombinant Human ADPRH/ARH1 Protein (His Tag)
RPES2143

Product Data:

Product SKU: RPES2143

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P54922

Protein Information:

Molecular Mass: 41.7 kDa

AP Molecular Mass: 39 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 50% Glycerol, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: [Protein ADP-Ribosylarginine] Hydrolase; ADP-Ribosylarginine Hydrolase; ADP-Ribose-L-Arginine Cleaving Enzyme; ADPRH; ARH1

Immunogen Information:

Sequence: Met 1-Leu357

Background:

ADP-Ribosylarginine Hydrolase (ADPRH) belongs to the ADP-Ribosylglycohydrolase family. ADPRH catalyzes removal of mono-ADP-ribose from arginine residues of proteins in the ADP-Ribosylation cycle, which is a post-translation modification that includes the addition of one or more ADP-ribose moieties. These reactions are related to cell signaling and the control of many cell processes, such as DNA repair and cell apoptosis. In addition, ADPRH binds with magnesium ion and possess ADP-ribosylarginine hydrolase activity.