

Recombinant Human ADP-Ribosylarginine Hydrolase, His-tagged

Cat. No. ADPRH-2518H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ADPRH protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-357aa
Description	ADPRH belongs to the ADP-ribosylglycohydrolase family. This protein catalyzes removal of mono-ADP-ribose from arginine residues of proteins in the ADP-ribosylation cycle. Unlike the rat and mouse enzymes, which require DTT for maximal activity, the human enzyme is DTT-independent.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 100mM NaCl.
Molecular Mass	42.1 kDa (381aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEKYVA AMVLSAAGDA LGYYNGKWEF LQDGEKIHRQ LAQLGGLDAL DVGRWRVSD T VMHLATAEA LVEAGKAPKL TQLYLLAKH YQDCMEDMDG RAPGGASVHN AMQLKPGKPN GWRIPFNSHE GGCGAAMRAM CIGLRFPHHS QLDTLIQVSI ESGRMTHHHP TGYLGALASA LFTAYAVNSR PPLQWGKGLM ELLPEAKKYI VQSGYFVEEN LQHWSYFQTK WENYLKLRGI LDGESAPTFP ESFGVKERDQ FYTSLSYSGW GGSSGHDAPM

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IAYDAVLAAG DSWKELAHRA FFHGGSDST AAIAGCWWGV MYGFKGVSPS
 NYEKLEYRNR LEETARALYS LGSKEDTVIS L

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ADPRH ADP-ribosylarginine hydrolase \[Homo sapiens \]](#)

Official Symbol ADPRH

Synonyms ADPRH; ADP-ribosylarginine hydrolase; [Protein ADP-ribosylarginine] hydrolase; ARH1; ADP-ribose-L-arginine cleaving enzyme;

Gene ID [141](#)

mRNA Refseq [NM_001125](#)

Protein Refseq [NP_001116](#)

MIM [603081](#)

UniProt ID [P54922](#)

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Chromosome Location	3q13.31-q13.33
Function	ADP-ribosylarginine hydrolase activity; hydrolase activity; magnesium ion binding;

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