

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 LAQLGGDLAL DVGRWRVSDD TVMHLATAEA LVEAGKAPKL TQLYYLLAKH 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;