
Product Data Sheet

Product Name: ADPRH Human
 Cat. No.: GP21364
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	[Protein ADP-ribosylarginine] hydrolase; ADP-ribosylarginine hydrolase; ADP-ribose-L-arginine cleaving enzyme; ADPRH; ARH1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEKYVA AMVLSAAGDA LGYYNGKWEF LQDGEKIHRQ LAQLGGLDAL DVGRWRVSDD TVMHLATAEA LVEAGKAPKL TQLYYLLAKH YQDCMEDMDG RAPGGASVHN AMQLKPGKPN GWRIPFNSHE GGCGAAMRAM CIGLRFPHHS QLDTLIQVSI ESGRMTHHHP TGYL GALASA LFTAYAVNSR PPLQWGKGLM ELLPEAKKYI VQSGYFVEEN LQHWSYFQTK WENYLKLRGI LDGESAPTFP ESFGVKERDQ FYTSLSYSGW GGSSGHDAPM IAYDAVLAAG DSWKELAHRA FFHGGDSDST AAIAGCWWGV MYGFKGVSPS NYEKLEYRNRLEETARALYS LGSKEDTVIS L.		
Formulation	The ADPRH solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT and 100mM NaCl.		

Introduction

ADP-ribosylarginine hydrolase (ADPRH) is a member of the ADP-ribosylglycohydrolase family. ADPRH catalyzes the removal of mono-ADP-ribose from arginine residues of proteins in the ADP-ribosylation cycle. The human ADPRH enzyme is DTT-independent as opposed to the rat and mouse enzymes, which require DTT for maximal activity.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ADPRH Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 381 amino acids (1-357) and having a molecular mass of 42.1kDa. ADPRH is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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