
Product Data Sheet

Product Name: ADPRHL2 Human

Cat. No.: GP21365

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Poly(ADP-ribose) glycohydrolase ARH3; ADP-ribosylhydrolase 3; [Protein ADP-ribosylarginine] hydrolase-like protein 2; ADPRHL2; ARH3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAAAAM AAAAGGGAGA ARSLSRFRGC LAGALLGDCV GSFYEAHDTV DLTSVLRHVQ SLEPDPGTPG SERTEALYYT DDTAMARALV QSLLAKEAFD EVDMAHRFAQ EYKKDPDRGY GAGVVTVFKK LLNPKCRDVF EPARAQFNGK GSYGNNGAMR VAGISLAYSS VQDVQKFARL SAQLTHASSL GYNGAILQAL AVHLALQGES SSEHFLKQLL GHMEDLEGDA QSVLDARELG MEERPYSRLL KKIGELLDQA SVTREEVSE LGNGIAAFES VPTAIYCFLR CMEPDPEIPS AFNSLQRTL IYSISLGGDTD TIATMAGAIA GAYYGMDQVP ESWQQSCEGY EETDILAQSL HRVFQKS.		
Formulation	The ADPRHL2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 30% glycerol and 1mM DTT.		

Introduction

ADP-ribosylhydrolase like 2 (ADPRHL2) belongs to the ADP-ribosylglycohydrolase family. ADPRHL2 catalyzes the removal of ADP-ribose from ADP-ribosylated proteins. ADPRHL2, which is ubiquitously expressed, uses magnesium as a cofactor to catalyze the hydrolysis of poly (ADP-ribose) that is synthesized after DNA damage. Furthermore, ADPRHL2 has an essential role in the maintenance of normal neuronal cell function. The ADPRHL2 enzyme localizes to the mitochondria, in addition to the nucleus and cytoplasm.

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%

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ADPRHL2 Human Recombinant produced in E. coli is a single polypeptide chain containing 387 amino acids (1-363) and having a molecular mass of 41.5kDa. ADPRHL2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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