

ADPRHL2 Human

Description: 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.

Catalog #:ENPS-645

For research use only.

Synonyms: Poly(ADP-ribose) glycohydrolase ARH3, ADP-ribosylhydrolase 3, [Protein ADP-ribosylarginine] hydrolase-like protein 2, ADPRHL2, ARH3.

Source: *E.coli*.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMAAAAM AAAAGGGAGA ARSLSRFRGC LAGALLGDCV GSFYEAHDTV DLTSVLRHVQ SLEPDPGTPG SERTEALYYT DDTAMARALV QSLLAKEAFD EVDMAHRFAQ EYKKDPDRGY GAGVVTVFKK LLNPKCRDVF EPARAQFNGK GSYGNGGAMR VAGISLAYSS VQDVQKFARL SAQLTHASSL GYNAILQAL AVHLALQGES SS

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The ADPRHL2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 30% glycerol and 1mM DTT.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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