

ARL2 Human

Description:ARL2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 204 amino acids (1-184 a.a.) and having a molecular mass of 23kDa. The ARL2 is purified by proprietary chromatographic techniques.

Catalog #:PRPS-081

For research use only.

Synonyms:ADP-ribosylation factor-like protein 2, ARL2, ARFL2.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGLLTILKKM KQKERELRL
MLGLDNAGKT TILKKFNGED IDTISPTLGF NIKTLEHRGF KLNWDVGGQ KSLRSYWRNY
FESTDGLIWW VDSADRQRMQ DCQRELQSLV VEERLAGATL LIFANKQDLP GALSSNAIRE
ALELDSIRSH HWCIQGCSAV TGENLLPGID WLLDDISSRI FTAD.

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The ARL2 solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1mM PMSF, 1mM DTT and 40% Glycerol.

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:

ARL2 is a member of the ADP-ribosylation factor (ARF) family. ARL2 functions as a component of a secretory pathway which is involved in the Ca²⁺-dependent release of acetylcholine. ARL2 has a role in the folding of tubule proteins, thus playing a significant role in microtubule dynamics and cell cycle progression. Unlike other members of the ARF family, ARL2 doesn't act as an activator of the catalytic subunit of cholera toxin.

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