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ARL4D Human

Description:ARL4D Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 221 amino acids (1-201) and having a molecular mass of 24.3 kDa.ARL4D is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-960

For research use only.

Synonyms:ADP-ribosylation factor-like 4D, ADP-ribosylation factor-like protein 4L, ARF4L, ARL6.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGNHLTEMAP TASSFLPHFQ ALHVVVIGLD SAGKTSLLYR LKFKEFVQSV PTKGFNTEKI RVPLGGSRGI TFQVWDVGGQ EKLRPLWRSY TRRTDGLVFV VDAAEAERLE EAKVELHRIS RASDNQGVPV LVLANKQDQP GALSAAEVEK RLAVRELAAA TLTHVQGCSA VDGLGLQQGL ERLYEMILKR KKAARGGKKR R

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

Formulation:
The ARL4D solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.2M NaCl and 20% 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 drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
ARL4D is a developmentally regulated member of the ADP-ribosylation factor/ARF-like protein (ARF/ARL) family of Ras-related GTPases. Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). ARL4D takes part in membrane-associated intracellular trafficking. Mutations in this gene is linked to Bardet-Biedl syndrome (BBS).

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