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ARF1 Human

Catalog #:PRPS-874

For research use only.

Description:ARF1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 201 amino acids (1-181 a.a.) and having a molecular mass of 22.8 kDa. The ARF1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Synonyms:ARF-1, ADP-ribosylation factor 1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGNIFANLFK GLFGKKEMRI LMVGLDAAGK TTILYKLKLG EIVTTIPTIG FNVETVEYKN ISFTVWDVGG QDKIRPLWRH YFQNTQGLIF VVDSNDRERV NEAREELMRM LAEDELRDAV LLVFANKQDL PNAMNAAEIT DKLGLHSLRH RNWYIQATCA TSGDGLYEGL DWLSNQLRNQ K.

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

Formulation:
The ARF1 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl & 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 forLABORATORY RESEARCHUSEONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
ARF1 is a small guanine nucleotide-binding protein that increases the enzymatic activities of cholera toxin. ARF1 is necessary and ubiquitous in eukaryotes. ARF1 takes part in vesicular transport and functioning via phospholipase D activation. ARF1 is involved in membrane traffic and organelle integrity which are closely tied to their reversible association with membranes and distinct interactions with membrane phospholipids.

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