

ARF5 Human

Description: ARF5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 200 amino acids (1-180 a.a) and having a molecular mass of 22.6kDa. ARF5 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-252

For research use only.

Synonyms: ADP-ribosylation factor 5, ARF5.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MGLTVSALFS RIFGKKQMRI
LMVGLDAAGK TTILYKLLG EIVTTIPTIG FNVETVEYKN ICFTVWDVGG QDKIRPLWRH
YFQNTQGLIF VVDSNDRERV QESADELQKM LQEDELRDAV LLVFANKQDM PNAMPVSELT
DKLGLQLHRS RTWYVQATCA TQGTGLYDGL DWLSHELKSR.

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

Formulation:

ARF5 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% glycerol and 0.1M NaCl.

Stability:

ARF5 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

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Introduction:

ADP-ribosylation factor 5 (ARF5) is a small guanine nucleotide-binding protein which enhances the enzymatic activities of cholera toxin. ARF-dependent regulatory mechanisms include the coordination of spectrin interactions with golgi membranes and the connection of actin to the golgi via rho family-dependent G-protein localization and WASP/Arp2/3 complexes. ARF5 is involved in vesicular transport and functioning via phospholipase D activation.

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