Recombinant human ARF5 protein

Catalog Number: ATGP1100

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-180aa

UniProt No.
P84085

NCBI Accession No.
NP_001653

Alternative Names
ADP-ribosylation factor 5, ADP ribosylation factor 5, ARF 5

PRODUCT SPECIFICATION

Molecular Weight
22.6 kDa (200aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
ADP-ribosylation factor 5, also known as ARF5, is a small guanine nucleotide-binding protein that enhances the enzymatic activities of cholera toxin. ARF-dependent regulatory mechanisms include the coordination of spectrin interactions with golgi membranes and the association 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. Recombinant human ARF5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

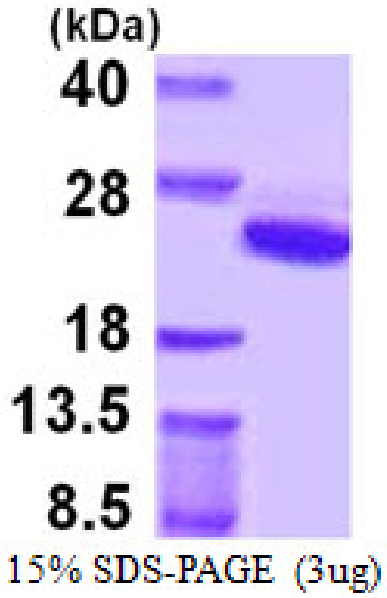
MGSSHHHHHH SSGLVPRGSH MGLTVSALFS RIFGKKQMRI LMVGLDAAGK TTILYKLKLG EIVTTIPTIG FNVETVEYKN ICFTVWDVGG QDKIRPLWRH YFQNTQGLIF VVDSNDRERV QESADELQKM LQEDELRDAV LLVFANKQDM PNAMPVSELT DKLGLQHLRS RTWYVQATCA TQGTGLYDGL DWLSHELSKR

General References

Randazzo P A., et al. (1994) J Biol Chem. 269:29490-29494.
Fucini R V., et al. (2000) J Biol Chem. 275:18824-18829.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.