PRODUCT INFORMATION

Expression system E.coli

Domain 1-123aa

UniProt No. Q6T311

NCBI Accession No. NP_996802

Alternative Names

ARL9, ADP ribosylation factor like protein 9, ADP ribosylation factor like GTPase 9, ADP ribosylation factor like 9

PRODUCT SPECIFICATION

Molecular Weight 15.9 kDa (143aa) confirmed by MALDI-TOF

Concentration 0.5mg/ml (determined by Bradford assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 200mM 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

ARL9 (ADP-ribosylation factor-like protein 9) belongs to two novel subfamilies coding for small GTPases that we found to be highly conserved among eukaryotes. Recombinant human ARL9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MEFLEIGGSK PFRSYWEMYL SKGLLLIFVV DSADHSRLPE AKKYLHQLIA ANPVLPLVVF



ANKQDLEAAY HITDIHEALA LSEVGNDRKM FLFGTYLTKN GSEIPSTMQD AKDLIAQLAA DVQ

General References

Louro R, et al. (2004) Biochem Biophys Res Commun. 316(3):618-27. Pasqualato S., et al (2002) EMBO Rep. 3(11):1035-41.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)

