## **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



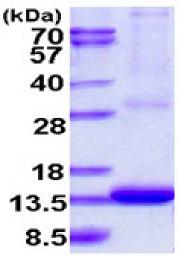
ANKQDLEAAY HITDIHEALA LSEVGNDRKM FLFGTYLTKN GSEIPSTMQD AKDLIAQLAA DVQ

#### **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)

