## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-182aa

**UniProt No.** P36405

NCBI Accession No. NP\_004302

**Alternative Names** ADP-ribosylation factor-like protein 3, ARFL3, ADP ribosylation factor like GTPase 3

# **PRODUCT SPECIFICATION**

Molecular Weight 23.0 kDa (206aa) confirmed by MALDI-TOF

**Concentration** 1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.1M NaCl,1mM DTT, 0.1mM PMSF

### Purity

> 95% 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

ARL3, also known as ARFL3, is a member of the ARF-like protein (ARL) subfamily of small GTPases. unlike ARFs, ARL3 does not activate the cholera toxin ADP-ribosyltranferase. This protein is ubiquitously expressed. It may play a role in maintaining rod photoreceptor cells and regulating microtubule-dependent processes. Knockdown of ARL3 leads to altered cell morphology, failure of cytokinesis, acetylation of alpha tubulin and an increase in binucleated cells. Recombinant human ARL3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



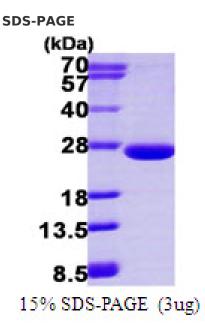
### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSHMGLLSI LRKLKSAPDQ EVRILLLGLD NAGKTTLLKQ LASEDISHIT PTQGFNIKSV QSQGFKLNVW DIGGQRKIRP YWKNYFENTD ILIYVIDSAD RKRFEETGQE LAELLEEEKL SCVPVLIFAN KQDLLTAAPA SEIAEGLNLH TIRDRVWQIQ SCSALTGEGV QDGMNWVCKN VNAKKK

#### **General References**

Bartolini F. et al. (2002) J Biol Chem. 277:14629-14634. Hillig R.C. et al. (2001) Structure. 8:1239-1245.

## DATA



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

