

Product information

ARL3, 1-182aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1222

Full name: ADP-ribosylation factor-like protein 3

NCBI Accession No.: NP_004302

Synonyms: ARFL3

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-ribosyltransferase. 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.

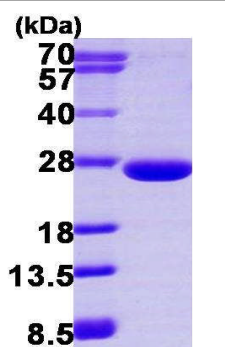
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol

0.1M NaCl, 1mM DTT, 0.1mM PMSF

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

Purity: > 95% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSHMGLLSI LRKLKSAPDQ EVRILLGLD NAGKTTLLKQ LASEDISHIT PTQGFNIKSV QSQGFKLNW
DIGGQRKIRP YWKNYFENTD ILIYVIDSAD RKRFEETGQE LAELLEEEKL SCVPVLIFAN KQDLLTAAPA SEIAEGLNLH TIRDRVWQIQ
SCSALTGEGV QDGMNWCKN VNAKKK

General references:

Bartolini F. *et al.* (2002) *J Biol Chem.* 277:14629-14634.

Hillig R.C. *et al.* (2001) *Structure.* 8:1239-1245.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.