

Recombinant Human ADP-Ribosylation Factor-Like 3, His-tagged

Cat. No. ARL3-6872H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARL3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 23.0 kDa.
Species	Human
Source	E.coli
ProteinLength	1-182aa
Description	ARL3 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl, 1mM DTT, 0.1mM PMSF.
Molecular Mass	23.0 kDa (206aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMGLLSI LRKLKSAPDQ EVRILLGLD NAGKTTLLKQ LASEDISHIT PTQGFNIKSV QSQGFKLNW DIGGQRKIRP YWKNYFENTD ILIYVIDSAD RKRFEETGQE LAELLEEEKL SCVPVLIFAN

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	KQDLLTAAPA SEIAEGLNLH TIRDRVWQIQ SCSALTGEGV QDGMNWWCKN VNAKKK
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	ARL3 ADP-ribosylation factor-like 3 [Homo sapiens]
Official Symbol	ARL3
Synonyms	ARL3; ADP-ribosylation factor-like 3; ADP-ribosylation factor-like protein 3; ARFL3; ARF-like 3;
Gene ID	403
mRNA Refseq	NM_004311
Protein Refseq	NP_004302
MIM	604695
UniProt ID	P36405

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Chromosome Location	10q23.3
Function	GDP binding; GTP binding; GTPase activity; metal ion binding; microtubule binding; nucleotide binding; protein binding;