
Product Data Sheet

Product Name: ARL3 Human
 Cat. No.: GP22773
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ADP-ribosylation factor-like protein 3; ARL3; ARFL3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMGLLSI LRKLKSAPDQ EVRILLGLD NAGKTTLLKQ LASEDISHIT PTQGFNIKSV QSQGFKLN VW DIGGQRKIRP YWKNYFENTD ILIYVIDSAD RKRFEETGQE LAELLEEEKL SCVPVLIFAN KQDLLTAAPA SEIAEGLNLH TIRDRVWQIQ SCSALTGEGV QDGMNWVCKN VNAKKK.		
Formulation	ARL3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.		

Introduction

ARL3 (ARFL3) belongs to the ARF-like protein (ARL) subfamily of small GTPases. ARL3 does not activate the cholera toxin ADP-ribosyltransferase contrasting from ARFs. ARL3 is ubiquitously expressed. ARL3 may have a role in maintaining rod photoreceptor cells and regulating microtubule-dependent processes. ARL3 knockdown leads to altered cell morphology, failure of cytokinesis, acetylation of alpha tubulin and an increase in binucleated cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ARL3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 206 amino acids (1-182 a.a.) and having a molecular mass of 23kDa. ARL3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary

Caution: Product has not been fully validated for medical applications. For research use only.

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chromatographic techniques.

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