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## Product Data Sheet

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Product Name: ARL5A Human  
 Cat. No.: GP22776  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARL5; ARFLP5; ADP-ribosylation factor-like 5A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMGILFT RIWRLFNHQE HKVIIVGLDN AGKTTILYQF SMNEVVHTSP TIGSNVEEIV INNTRFLMWD IGGQESLRSS WNTYYTNTTEF VIVVVDSTDR ERISVTREEL YKMLAHEDLR KAGLLIFANK QDVKECMTVA EISQFLKLT S IKDHQWHIQA CCALTGEGLC QGLEWMMMSRL KIR		
Formulation	The ARL5A protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.2mM PMSF and 20% glycerol.		

### Introduction

ARL5A is a member of the ARF family of GTP-binding proteins. ARFs are vital in eukaryotic vesicular trafficking pathways and have a crucial part in the activation of phospholipase D. Different from ARF family members, ARL5 is believed to lack ADP-ribosylation enhancing activity. ARL5A is developmentally regulated and has a role in nuclear dynamics and signaling cascades during embryonic development.

### 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. Please avoid freeze thaw cycles.

### Background

ARL5A produced in E.Coli is a single, non-glycosylated polypeptide chain containing 203 amino acids (1-179 a.a.) and having a molecular mass of 23.3 kDa. ARL5A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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