
Product Data Sheet

Product Name: ARL5B Human
 Cat. No.: GP22777
 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 5B; ADP-ribosylation factor-like protein 8; ARL5B; ARL8.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGLIFAKLWS LFCNQEHKVI IVGLDNAGKT TILYQFLMNE VVHTSPTIGS NVEEIVVKNT HFLMWDIGGQ ESLRSSWNTY YSNTEFIILV VDSIDRERLA ITKEELYRML AHEDLRKAAV LIFANKQDMK GCMTAAEISK YLTLSSIKDH PWHIQSCCAL TGEGLCQGLE WMTSRIGVR.		
Formulation	ARL5B protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 30% glycerol, 0.1M NaCl and 1mM EDTA.		

Introduction

ADP-ribosylation factor-like protein 5B (ARL5B) is a member of a family of proteins which are structurally similar to ADP-ribosylation factors. ARLs and ARFs belong to the RAS superfamily of regulatory GTPases. ARL5B is most closely related to ARL5, with which it shares 80% sequence identity. Furthermore, Human ARL5B shares 100% identity with mouse ARL8 and 71% identity with the Drosophila homolog.

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

ARL5B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 199 amino acids (1-179 a.a.) and having a molecular mass of 22.5kDa. ARL5B is fused to a 20 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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