
Product Data Sheet

Product Name: ARL6 Human
 Cat. No.: GP22778
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ADP-ribosylation factor-like 6; Bardet-Biedl syndrome 3 protein; BBS3; RP55; MGC32934.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGLLDRLSVL LGLKKKEVHV LCLGLDNSGK TTIINKLKPS NAQSQNILPT IGFSIEKFKS SLSFTVFDM SGQGRYRNLW EHYYKEGQAI IFVIDSSDRL RMVVAKEELD TLLNHPDIKH RRIPILFFAN KMDLRDAVTS VKVSQLLCLE NIKDKPWHIC ASDAIKGEGL QEGVDWLQDQ IQTVKT.		
Formulation	ARL6 protein solution (0.5mg/1ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.2M NaCl and 5mM DTT.		

Introduction

ARL6 is a member of the ARF family of GTP-binding proteins. ARL6 has a vital part in modulating membrane trafficking and cytoskeletal functions. Mutation in ARL6 is the source of Bardet-Biedl syndrome (BBS3) which is a pleiotropic genetic disorder that causes obesity, photoreceptor degeneration, polydactyly, hypogenitalism, renal abnormalities and developmental delay.

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

ARL6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 206 amino acids (1-186a.a) and having a molecular mass of 23.2kDa. ARL6 is fused to a 20 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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