
Product Data Sheet

Product Name: ARF5 Human
 Cat. No.: GP22760
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ADP-ribosylation factor 5; ARF5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGLTVSALFS RIFGKKQMRI LMVGLDAAGK TTILYKLLKG EIVTTIPTIG FNVETVEYKN ICFTVWDVGG QDKIRPLWRH YFQNTQGLIF VVDSNDRERV QESADELQKM LQEDELRLDAV LLVFANKQDM PNAMPVSELT DKLGLQLHRS RTWYVQATCA TQGTGLYDGL DWLSHELKSR.		
Formulation	ARF5 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% glycerol and 0.1M NaCl.		

Introduction

ADP-ribosylation factor 5 (ARF5) is a small guanine nucleotide-binding protein which enhances the enzymatic activities of cholera toxin. ARF-dependent regulatory mechanisms include the coordination of spectrin interactions with golgi membranes and the connection of actin to the golgi via rho family-dependent G-protein localization and WASP/Arp2/3 complexes. ARF5 is involved in vesicular transport and functioning via phospholipase D activation.

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

ARF5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 200 amino acids (1-180 a.a) and having a molecular mass of 22.6kDa. ARF5 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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