
Product Data Sheet

Product Name: ARF4 Human
 Cat. No.: GP22759
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ADP-ribosylation factor 4; ARF4; ARF2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMGLTIS SLFSRLFGKK QMRILMVGLD AAGKTTILYK LKLGEIVTTI PTIGFNVETV EYKNICFTVW DVGQDRIRP LWKHVFQNTQ GLIFVVDSDN RERIQEVADE LQKMLLVDEL RDAVLLLFAN KQDLPNAMAI SEMTDKLG LQ SLRNRTWYVQ ATCATQGTGL YEGLDWLSNE LSKR.		
Formulation	The ARF4 solution (0.5 mg/ml) in 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.		

Introduction

ARF4 belongs to the ARF gene family whose members encode small guanine nucleotide-binding proteins which stimulate the ADP-ribosyltransferase activity of cholera toxin and have a role in vesicular trafficking and as activators of phospholipase D. The ARF proteins include five ARF proteins and eleven ARF-like proteins and constitute one family of the RAS superfamily. They are classified as class I, class II and class III; the ARF4 gene is a class II member. The members of each class share a common gene organization. The ARF4 gene spans approximately 12kb and contains 6 exons and 5 introns. The ARF4 gene is the most divergent member of the human ARFs.

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

ARF4 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in

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

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E.Coli is a single, non-glycosylated, polypeptide chain containing 204 amino acids (1-180 a.a.) and having a molecular mass of 23kDa. The ARF4 is purified by proprietary chromatographic techniques.

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