Recombinant Human ARF1 Protein Data **Sheet**

Catalog #	hRP-A0306-EF012				
Size	100 μg				
Protein Name	ADP-ribosylation factor 1				
Protein Symbol	ARF1				
Original Source	Homo sapiens				
Expression System	E.coli				
GenBank Accession #	NM 001658.2				
Uniprot Accession #	P84077				
Description	ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. The gene products, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.				
Application	WB, ELISA, IP, antibody production, protein array				
Fusion tag	N-His				
Peptide Length	196aa(including fusion tag)				
Molecular Weight	22.6kDa(including fusion tag)				
Ιq	7.3				
Activity	NA				
Storage	Storage buffer: 20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH9.0. Store at -80°C and avoid repeated freeze-thaw cycles.				
	kDa 55 45 35 28 20				
Reference:	 Multiple activities for Arf1 at the Golgi complex. Structure and membrane interaction of myristoylated ARF1 Crystallization and preliminary X-ray diffraction studies on ADP-ribosylation factor 1. 				



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