Recombinant Human ARF1 Protein Data Sheet

| Catalog # | hRP-A0306-EF011 |
|---------------------|--|
| Size | 25 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) |
| pI | 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. |
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| Reference: | <u>Multiple activities for Arf1 at the Golgi complex.</u> <u>Structure and membrane interaction of myristoylated ARF1</u> <u>Crystallization and preliminary X-ray diffraction studies on ADP-ribosylation factor 1.</u> |



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