

Recombinant Human ARF, His-tagged

Cat. No. ARF6-9803H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human ARFHis-tag, was expressed in E.coli and purified by Ni-sepharose. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 37-152a.a. |
| Description | This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7. |
| Storage | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

GENE INFORMATION

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| Gene Name | ARF6 ADP-ribosylation factor 6 [Homo sapiens] |
| Official Symbol | ARF6 |
| Synonyms | ARF6 ; ADP-ribosylation factor 6 ; DKFZp564M0264 ; |
| Gene ID | 382 |
| mRNA Refseq | NM_001663 |
| Protein Refseq | NP_001654 |
| MIM | 600464 |
| UniProt ID | P62330 |
| Chromosome Location | 14q21.3 |
| Pathway | Arf6 downstream pathway, organism-specific biosystem ; Arf6 signaling events, organism-specific biosystem ; Arf6 trafficking events, organism-specific biosystem ; Class I PI3K signaling events, organism-specific biosystem ; E-cadherin signaling in the nascent adherens junction, organism-specific biosystem ; Endocytosis, organism-specific biosystem ; Endocytosis, conserved biosystem ; |
| Function | GTP binding ; GTPase activity ; nucleotide binding ; protein binding ; thioesterase binding ; |

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