

# Recombinant Human ARF6 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ARF6-2595H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ARF6 MS Standard C13 and N15-labeled recombinant protein (NP_001654) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 20.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MGKVLISKIFGNKEMRILMLGLDAAGKTTILYKLKLGQSVTTIPTVGFNVETVYKNVKF<br>NVWDVGGQDKIRPLWRHYTGTQGLIFVDCADRDRIDEARQELHRIINDREMRDAI<br>ILIFANKQDLPDAMKPHIEIQEKLGLTRIRDRNWYVQPSCATSGDGLYEGLTWLTSNY<br>KSTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

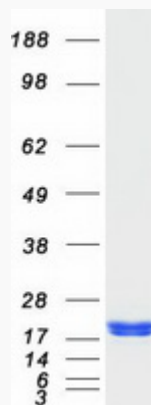
|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Gene Name</b>       | ARF6 ADP-ribosylation factor 6 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | ARF6                                                    |
| <b>Synonyms</b>        | ARF6; ADP-ribosylation factor 6; DKFZp564M0264;         |
| <b>Gene ID</b>         | 382                                                     |
| <b>mRNA Refseq</b>     | NM_001663                                               |
| <b>Protein Refseq</b>  | NP_001654                                               |
| <b>MIM</b>             | 600464                                                  |
| <b>UniProt ID</b>      | P62330                                                  |

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## SDS-PAGE



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