# Recombinant Human Pyrophosphatase (Inorganic) 1, T7-tagged

**Cat. No.** PPA1-2932H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human ARF6 protein , fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography techniques. MW = 22.2 kDa (195aa). |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | ADP-ribosylation factor 6, also known as ARF6, is a member of the ADP ribosylation factor family of GTP-binding proteins. It is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. Additionally, ARF6 play a central role in maintenance of organelle integrity, assembly of coat proteins and activation of phospholipase D. |
| **Form** | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM PMSF. |
| **Purity** | > 95% by SDS - PAGE. |
| **Concentration** | 1.0 mg/ml (determined by Bradford assay). |
| **Sequences Of Amino Acids** | MGSSHHHHHH SSGLVPRGSH MGKVLSKIFG NKEMRILMLG LDAAGKTTIL YKL KLGQSVT TIPTVGFNVE TVTYKNVKFN VWDVGGQDKIRPLWRHYYTG TQGLIF VV |

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| | DC ADRDRIDEAR QELHRIINDR EMRDAIILIF ANKQDLPDAM KPHEIQEKLG LTRIRDRNWY VQPSCATSGDGLYEGLTWLT SNYKS. |
| **Storage** | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| **Fuction** | GTP binding; GTPase activity; nucleotide binding; protein binding; thioesterase binding |
| **Pathways** | Endocytosis; Fc gamma R-mediated phagocytosis |

## GENE INFORMATION

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| **Gene Name** | ARF6 ADP-ribosylation factor 6 [ Homo sapiens ] |
| **Synonyms** | ADP-ribosylation factor 6; DKFZp564M0264; ARF6 |
| **Gene ID** | 382 |
| **mRNA Refseq** | NM_001663 |
| **Protein Refseq** | NP_001654 |
| **MIM** | 600464 |
| **UniProt ID** | P62330 |
| **Chromosome Location** | 14q21.3 |

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