

Recombinant Human ARF6 protein, His-tagged

Cat. No. ARF6-26533TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARF6(1-175 aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-175 a.a.
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. Recombinant human ARF6 protein , fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM PMSF
Molecular Mass	22.2 kDa (195aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSHRPLWRHYTG TQGLIFVDC ADRDRIDEAR QELHRIINDR EMRDAILIF ANKQDLPDAM KPHEIQEKLK LTRIRDNRWY VQPSCATSGDMGKVLISKIFG NKEMRILMLG LDAAGKTTIL YKLKLGQSVT

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TIPTVGFNVE TVTYKNVKFN VWDVGGQDKI GLYEGLTWLT SNYKS

Purity > 95% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

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,

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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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