

Recombinant Human ADP-ribosylation factor 6(ARF6)

Catalog No: #AP70051

Package Size: #AP70051-1 20ug #AP70051-2 100ug #AP70051-3 1mg

Description

Product Name	Recombinant Human ADP-ribosylation factor 6(ARF6)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-175aaSequence Info:Full Length
Accession No.	P62330
Calculated MW	36.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MGKVLISKIFGNKEMRILMLGLDAAGKTTILYKLKLGQSVTTIPTVGFNVETVITYKNVKFNVWDVGGQDKIRPLW RHYYTGTQGLIFVVDCAADRDRIDEARQELHRIINDREMRDAILIFANKQDLPDAMKPHEIQEKLGLTRIRDRNW YVQPSCATSGDGLYEGLTWLTSNYKS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

GTP-binding protein involved in protein trafficking that regulates endocytic recycling and cytoskeleton remodeling. Required for normal completion of mitotic cytokinesis. Plays a role in the reorganization of the actin cytoskeleton and the formation of stress fibers. May also modulate vesicle budding and uncoating within the Golgi apparatus. Involved in the regulation of dendritic spine development, contributing to the regulation of dendritic branching and filopodia extension. Functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase

References

Structural basis for membrane recruitment and allosteric activation of cytohesin family Arf GTPase exchange factors.Malaby A.W., van den Berg B., Lambright D.G.Proc. Natl. Acad. Sci. U.S.A. 110:14213-14218(2013)Research Topic:Developmental Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.