

Product datasheet

Recombinant Human ARL3 protein ab113590

1 Image

Description

<b>Product name</b>	Recombinant Human ARL3 protein
<b>Purity</b>	> 95 % SDS-PAGE. ab113590 was purified using conventional chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">P36405</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHSSGLVPRGSHMGSHMGLLSILRKLKSAP</b> DQEVRIILLGLD NAGKTLLKQLASEDISHITPTQGFNIKSVQSQGFKLNVWDI GGQRKIRP YWKNYFENDILYVIDSADRKRFEETGQELAELEEEKLS CVPVLIFAN KQDLLTAAPASEIAEGLNLHTIRDRVWQIQSCSALTGEGVQ DGMNWVCKN VNAKKK
<b>Predicted molecular weight</b>	23 kDa including tags
<b>Amino acids</b>	1 to 182
<b>Tags</b>	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab113590** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

Preparation and Storage

## Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.002% PMSF, 0.02% DTT, 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

## General Info

### Function

Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. Requires assistance from GTPase-activating proteins (GAPs) like RP2 and PDE6D, in order to cycle between inactive GDP-bound and active GTP-bound forms. Required for normal cytokinesis and cilia signaling.

### Tissue specificity

Expressed in the retina. Strongly expressed in connecting cilium, the myoid region of the inner segments (IS) and in cone photoreceptors (at protein level).

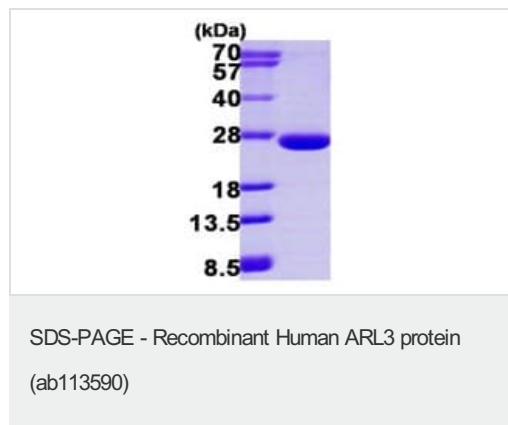
### Sequence similarities

Belongs to the small GTPase superfamily. Arf family.

### Cellular localization

Golgi apparatus membrane. Cytoplasm > cytoskeleton > spindle. Nucleus. Cytoplasm > cytoskeleton > centrosome. Cytoplasm. Cell projection > cilium. Detected predominantly in the photoreceptor connecting cilium. Present on the mitotic spindle. Centrosome-associated throughout the cell cycle. Not detected to interphase microtubules.

## Images



15% SDS-PAGE analysis of ab113590 (3µg)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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