# antibodies -online.com





## ARL6IP1 Protein (AA 1-203) (rho-1D4 tag)



**Image** 



Go to Product page

( )	ve	K\ /		A .
	$\cup$	1 V/	Щ.	V۷

Overview		
Quantity:	1 mg	
Target:	ARL6IP1	
Protein Characteristics:	AA 1-203	
Origin:	Mouse	
Source:	Insect Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This ARL6IP1 protein is labelled with rho-1D4 tag.	
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)	
Product Details		
Sequence:	MAEGDNRSSN LLAVETASLE EQLQGWGEVM LMADKVLRWE RAWFPPAIMG VVSLLFLIIY	

Product Details	
Sequence:	MAEGDNRSSN LLAVETASLE EQLQGWGEVM LMADKVLRWE RAWFPPAIMG VVSLLFLIIY
	YLDPSVLSGV SCFVMFLCLA DYLVPILAPR IFGSNKWTTE QQQRFHEICS NLVKTRRRAV
	GWWKRLFSLK EEKPKMYFMT MIISLAAVAW VGQQVHNLLL TYLIVTFVLL LPGLNQHGII
	LKYIGMAKRE INKLLKQKEK KNE
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a
	special request, please contact us.
Characteristics:	<ul> <li>Made in Germany - from design to production - by highly experienced protein experts.</li> <li>Mouse Arl6ip1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.</li> </ul>

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn | International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com | Page 1/4 | Product datasheet for ABIN3130266 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

• State-of-the-art algorithm used for plasmid design (Gene synthesis).

experts in the lab will ensure that you receive a correctly folded protein.

This protein is a made to order protein and will be made for the first time for your order. Our

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The protein's absorbance will be measured in several dilutions and is measured against its

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

#### Purification:

Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells:

- 1. Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot.
- 2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate fractions are analyzed by Western blot.
- Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatograph. Eluate fractions are analyzed by SDS-PAGE and Western blot.

 Purity:
 >95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

 Sterility:
 0.22 μm filtered

 Endotoxin Level:
 Protein is endotoxin-free.

 Grade:
 Crystallography grade

specific reference buffer.

#### **Target Details**

Target:	ARL6IP1
Alternative Name:	Arl6ip1 (ARL6IP1 Products)
Background: Positively regulates SLC1A1/EAAC1-mediated glutamate transport by increasing its affini	

glutamate in a PKC activity-dependent manner. Promotes the catalytic efficiency of SLC1A1/EAAC1 probably by reducing its interaction with ARL6IP5, a negative regulator of SLC1A1/EAAC1-mediated glutamate transport (PubMed:18684713). Plays a role in the formation and stabilization of endoplasmic reticulum tubules. Negatively regulates apoptosis, possibly by modulating the activity of caspase-9 (CASP9). Inhibits cleavage of CASP9-dependent substrates and downstream markers of apoptosis but not CASP9 itself. May be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation (By similarity). {ECO:0000250|UniProtKB:Q15041, ECO:0000269|PubMed:18684713}.

Molecular Weight:

24.6 kDa Including tag.

UniProt:

Q9JKW0

### **Application Details**

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
	as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee
	though.

Comment:

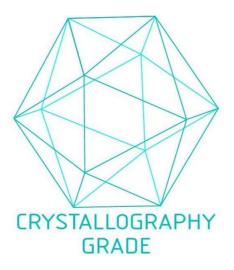
Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions:

For Research Use only

#### Handling

Format:	Liquid	
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-80 °C	
Storage Comment:	Store at -80°C.	
Expiry Date:	Unlimited (if stored properly)	



**Image 1.** "Crystallography Grade" protein due to multi-step, protein-specific purification process