

Datasheet for ABIN7563978

ARL13B Protein (AA 1-427) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ARL13B
Protein Characteristics:	AA 1-427
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARL13B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Arl13b Protein expressed in mammalian cells.
Sequence:	<p>MFSLMANCCN LFKRWREPVR KVTLMVGLD NAGKTATAKG IQGHPEDVA PTVGFSKIDL</p> <p>RQGKFQVTIF DLGGGKRIRG IWKNYYAESY GVIFVVDSSD EERMEETKET MSEVLRHPRI</p> <p>SGKPILVLAN KQDKEGALGE ADVIECLSLE KLVNEHKCLC QIEPCSAVLG YGKKIDKSIK</p> <p>KGLYWLLHII AKDFDALSER IQKDTTEQRA LEEQEKRERA ERVRKLREER EREQTELDGT</p> <p>SGLAEIDSGP VLANPFQPIA AVIIENEKKQ EKEKKKQTV E KDSDVGLLEH KVEPEQAAPQ</p> <p>SEADCCLQNP DERVVDSYRE ALSQQLDSED EQDQRGSESG ENSKKTKKL RMKRSHRVEP</p> <p>VNTDESTPKS PTPPQPPPPV GWGTPKVTRL PKLEPLGETR HNDYFGKPLP PLAVRQRPNG</p> <p>DAQDTIS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: ARL13B

Alternative Name: Arl13b ([ARL13B Products](#))

Background: ADP-ribosylation factor-like protein 13B (ADP-ribosylation factor-like protein 2-like 1) (ARL2-like protein 1) (Protein hennin),FUNCTION: Cilium-specific protein required to control the microtubule-based, ciliary axoneme structure. May act by maintaining the association between IFT subcomplexes A and B. Binds GTP but is not able to hydrolyze it, the GTPase activity remains unclear. Required to pattern the neural tube. Involved in cerebral cortex development: required for the initial formation of a polarized radial glial scaffold, the first step in the construction of the cerebral cortex, by regulating ciliary signaling (PubMed:23817546). Regulates the migration and placement of postmitotic interneurons in the developing cerebral cortex (PubMed:23153492). {ECO:0000269|PubMed:17488627, ECO:0000269|PubMed:21539826, ECO:0000269|PubMed:21976698, ECO:0000269|PubMed:22554696, ECO:0000269|PubMed:23014696, ECO:0000269|PubMed:23153492, ECO:0000269|PubMed:23817546}.

Molecular Weight: 48.1 kDa

UniProt: [Q640N2](#)

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 guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition 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:	12 months