

Datasheet for ABIN7545095  
**ATP6V0B Protein (AA 1-205) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ATP6V0B
Protein Characteristics:	AA 1-205
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP6V0B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat ATP6V0B Protein expressed in mammalien cells.
Sequence:	MTGLALLYSG VFVAFWACAL AVGVCTIFD LGFRFDVAWF LTETSPFMWS NLGIGLAISL SVVGAAWGIY ITGSSIIGGG VKAPRIKTKN LVSIIFCEAV AIYGIIMAIV ISNMAEPFSA TDPKAIGHRN YHAGYSMFGA GLTVGLSNLF CGVCVGVIGS GAALADAQNP SLFVKILIVE IFGSAIGLFG VIVAILQTSR VKMGD <b>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.</b>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li></ul>

## Product Details

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- 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.

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

Grade: custom-made

## Target Details

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Target: ATP6V0B

Alternative Name: ATP6V0B ([ATP6V0B Products](#))

Background: V-type proton ATPase 21 kDa proteolipid subunit c" (V-ATPase 21 kDa proteolipid subunit c") (Vacuolar proton pump 21 kDa proteolipid subunit c") (hATPL),FUNCTION: Proton-conducting pore forming subunit of the V0 complex of vacuolar(H<sup>+</sup>)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (PubMed:33065002). V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment (By similarity). {ECO:0000250|UniProtKB:Q2TA24, ECO:0000269|PubMed:33065002}.

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Molecular Weight: 21.4 kDa

UniProt: [Q99437](#)

Pathways: [Transition Metal Ion Homeostasis, Proton Transport](#)

## Application Details

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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

## Application Details

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guarantee though.

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Restrictions: For Research Use only

## Handling

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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