

Datasheet for ABIN2715049

**ATP6V0A1 Protein (Transcript Variant 3) (Myc-DYKDDDDK Tag)**[Go to Product page](#)**1** Image

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 20 µg  |
| Target:                       | ATP6V0A1   |
| Protein Characteristics:      | Transcript Variant 3                                     |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells  |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This ATP6V0A1 protein is labelled with Myc-DYKDDDDK Tag. |
| Application:                  | Antibody Production (AbP), Standard (STD)                |

## Product Details

|                  |  |
|------------------|--|
| Characteristics: | <ul style="list-style-type: none"><li>• Recombinant human ATP6V0A1 (transcript variant 3) protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul> |
| Purity:          | > 80 % as determined by SDS-PAGE and Coomassie blue staining   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | ATP6V0A1   |
| Alternative Name: | Atp6v0a1 ( <a href="#">ATP6V0A1 Products</a> )   |
| Background:       | This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V- |

## Target Details

ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene encodes one of three A subunit proteins and the encoded protein is associated with clathrin-coated vesicles. Three transcript variants encoding different isoforms have been found for this gene.

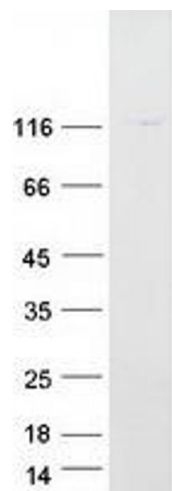
|                   |   |
|-------------------|---|
| Molecular Weight: | 95.6 kDa  |
| NCBI Accession:   | <a href="#">NP_005168</a>   |
| Pathways:         | <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Proton Transport</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Comment:           | The tag is located at the C-terminal.  |
| Restrictions:      | For Research Use only  |

## Handling

|                  |   |
|------------------|---|
| Concentration:   | 50 µg/mL  |
| Buffer:          | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.  |
| Storage:         | -80 °C  |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |



Western Blotting

**Image 1.** Validation with Western Blot