

Datasheet for ABIN7545025
ATP6V1C2 Protein (AA 1-427) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP6V1C2
Protein Characteristics:	AA 1-427
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP6V1C2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATP6V1C2 Protein expressed in mammalian cells.
Sequence:	<p>MSEFWLISAP GDKENLQALE RMNTVTSKSN LSYNTKFAIP DFKVGTLDL VGLSDELGKL DTFAESLIRR MAQSVVEVME DSKGKVQEHL LANGVDLTSF VTHFEWDMAK YPVKQPLVSV VDTIAKQLAQ IEMDLKSRTA AYNTLKTNLE NLEKKSMSGNL FTRTLSDIVS KEDFVLDSEY LVTLLVIVPK PNYSQWQKTY ESLSDMVVPR STKLITEDKE GGLFTVTLFR KVIEDFKTKA KENKFTVREF YYDEKEIERE REEMARLLSD KKQQYTSCV ALKKGSTFP DHKVKVTPLG NPDRPAAGQT DRERESEGEG EGPLLRWLKV NFSEAFIAWI HIKALRVFVE SVLRYGLPVN FQAVLLQPHK KSSTKRLREV LNSVFRHLDE VAATSILDAS VEIPLQLN QDYFPYVYFH IDLSLLD</p> <p>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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

ATP6V1C2

Alternative Name:

ATP6V1C2 ([ATP6V1C2 Products](#))

Background:

V-type proton ATPase subunit C 2 (V-ATPase subunit C 2) (Vacuolar proton pump subunit C 2),FUNCTION: Subunit of the V1 complex of vacuolar(H⁺)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (By similarity). 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). Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity (By similarity).

{ECO:0000250|UniProtKB:P21282, ECO:0000250|UniProtKB:P21283, ECO:0000250|UniProtKB:P31412}.

Molecular Weight:

48.8 kDa

UniProt:

[Q8NEY4](#)

Target Details

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

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

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