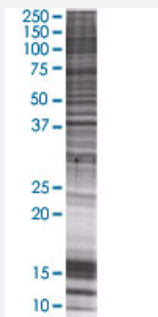


ATP6V1C2 293T Cell Transient Overexpression Lysate(Denatured)

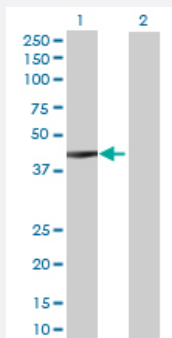
Catalog # H00245973-T01 Size 100 uL

Applications



SDS-PAGE Gel

ATP6V1C2 transfected lysate.



Western Blot

Lane 1: ATP6V1C2 transfected lysate (42.02 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ATP6V1C2 full-length
Host	Human
Theoretical MW (kDa)	42.02
Interspecies Antigen Sequence	Mouse (82); Rat (83)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ATP6V1C2 antibody ([H00245973-B01](#)) by Western Blots.
SDS-PAGE Gel
ATP6V1C2 transfected lysate.
Western Blot
Lane 1: ATP6V1C2 transfected lysate (42.02 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ATP6V1C2

Entrez GeneID

[245973](#)

GeneBank Accession#

[BC012142.1](#)

Protein Accession#

[AAH12142.1](#)

Gene Name

ATP6V1C2

Gene Alias

ATP6C2, VMA5

Gene Description

ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C2

Gene Ontology

[Hyperlink](#)

Gene Summary

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-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain C subunit isoforms. [provided by RefSeq]

Other Designations

ATPase, H⁺ transporting, lysosomal 42kD, V1 subunit C|OTTHUMP00000115522|V-ATPase C2 subunit|vacuolar H⁺ ATPase C2

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)

Disease

- [Tobacco Use Disorder](#)