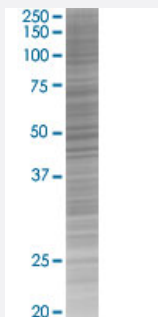


ATP6V1C1 293T Cell Transient Overexpression Lysate(Denatured)

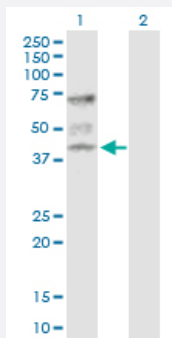
Catalog # H00000528-T02 Size 100 uL

Applications



SDS-PAGE Gel

ATP6V1C1 transfected lysate.



Western Blot

Lane 1: ATP6V1C1 transfected lysate (43.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ATP6V1C1 full-length
Host	Human
Theoretical MW (kDa)	43.9

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ATP6V1C1 antibody ([H00000528-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 ATP6V1C1 transfected lysate.
 Western Blot
 Lane 1: ATP6V1C1 transfected lysate (43.90 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 — ATP6V1C1

Entrez GeneID

[528](#)

GeneBank Accession#

[NM_001695](#)

Protein Accession#

[NP_001686.1](#)

Gene Name

ATP6V1C1

Gene Alias

ATP6C, ATP6D, FLJ20057, VATC, Vma5

Gene Description

ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C1

Omim ID

[603097](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 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', 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 is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma a subunit of F-ATPases. Previously, this gene was designated ATP6D. [provided by RefSeq]

Other Designations

ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) 42kD|ATPase, H⁺ transporting, lysosomal 42kD, V1 subunit C, isoform 1|ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C, isoform 1|H⁺-transporting two-sector ATPase, subunit C|H⁺-ATPase C s

Pathway

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

Disease

- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Tobacco Use Disorder](#)