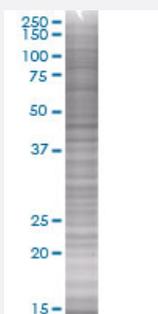


# ATP1B3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000483-T01

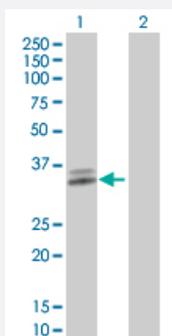
Size 100 uL

## Applications



### SDS-PAGE Gel

ATP1B3 transfected lysate



### Western Blot

Lane 1: ATP1B3 transfected lysate ( 31.5 KDa).

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-ATP1B3 full-length

**Host** Human

**Theoretical MW (kDa)** 31.5

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-ATP1B3 antibody ([H00000483-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 ATP1B3 transfected lysate  
 Western Blot  
 Lane 1: ATP1B3 transfected lysate ( 31.5 KDa).  
 Lane 2: Non-transfected lysate.

<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — ATP1B3

<b>Entrez GeneID</b>	<a href="#">483</a>
<b>GeneBank Accession#</b>	<a href="#">NM_001679</a>
<b>Protein Accession#</b>	<a href="#">NP_001670</a>
<b>Gene Name</b>	ATP1B3
<b>Gene Alias</b>	ATPB-3, CD298, FLJ29027
<b>Gene Description</b>	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 3 polypeptide
<b>Omim ID</b>	<a href="#">601867</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	<p>The protein encoded by this gene belongs to the family of Na<sup>+</sup>/K<sup>+</sup> and H<sup>+</sup>/K<sup>+</sup> ATPases beta chain proteins, and to the subfamily of Na<sup>+</sup>/K<sup>+</sup> -ATPases. Na<sup>+</sup>/K<sup>+</sup> -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na<sup>+</sup>/K<sup>+</sup> -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2. [provided by RefSeq]</p>
<b>Other Designations</b>	Na <sup>+</sup> /K <sup>+</sup> -ATPase beta 3 subunit Na, K-ATPase beta-3 polypeptide sodium/potassium-dependent ATPase beta-3 subunit sodium/potassium-transporting ATPase beta-3 chain

## Pathway

- [Cardiac muscle contraction](#)