

## Product datasheet

# Recombinant Human ATP5J protein ab152213

[1 Image](#)

### Overview

---

<b>Product name</b>	Recombinant Human ATP5J protein
<b>Protein length</b>	Full length protein

### Description

---

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P18859</a>
<b>Species</b>	Human
<b>Sequence</b>	MILQRLFRFSSVIRSAVSVHLRRNIGVTAVAFNKELDPI QKLFVDKIREY KSKRQTSGGPVDASSEYQQELERELFKLKQMFGNAD MNTFPTFKFEDPKF EVIEKPQA
<b>Molecular weight</b>	38 kDa including tags
<b>Amino acids</b>	1 to 108

### Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab152213** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Western blot ELISA
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 µg/µl

### Preparation and Storage

---

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
------------------------------	---

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

---

### Function

Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain and the peripheral stalk, which acts as a stator to hold the catalytic  $\alpha(3)\beta(3)$  subcomplex and subunit *a*/ATP6 static relative to the rotary elements. Also involved in the restoration of oligomycin-sensitive ATPase activity to depleted F1-F0 complexes.

### Sequence similarities

Belongs to the eukaryotic ATPase subunit F6 family.

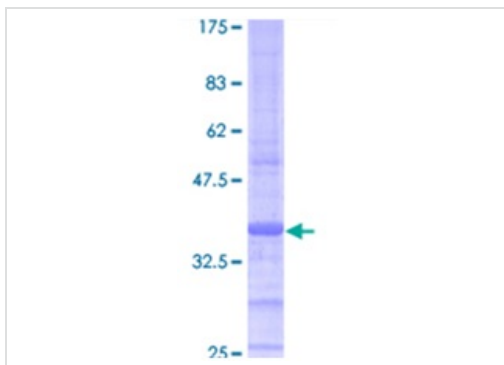
### Cellular localization

Mitochondrion. Mitochondrion inner membrane.

---

## Images

---



12.5% SDS-PAGE analysis of ab152213 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human ATP5J protein  
(ab152213)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors