

Product datasheet

Recombinant Human ATP5F1 protein (denatured)  
ab177591

1 Image

Overview

<b>Product name</b>	Recombinant Human ATP5F1 protein (denatured)
<b>Protein length</b>	Protein fragment
<b>Description</b>	Recombinant Human ATP5F1 protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P24539</a>
<b>Species</b>	Human
<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSLILYALS            KEIYISAET FTALSVLGVM VYGIKKYGP            VADFADKLE QKLAQLEEK QASIQHIQNA            IDTEKSQQAL VQKRHYLFDV QRNNIAMA            LE VTYRERLYRV YKEVKNRLDY HISVQNM            MRR KEQEHMINWV EKHVVSIST QKEKETI            AKC IADLKLLAKK AQAQPVM</p>
<b>Molecular weight</b>	23 kDa including tags
<b>Amino acids</b>	83 to 256
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	(NP_001679).

Specifications

Our [Abpromise guarantee](#) covers the use of **ab177591** 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
<b>Purity</b>	> 80 % SDS-PAGE.

**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
Information available upon request.

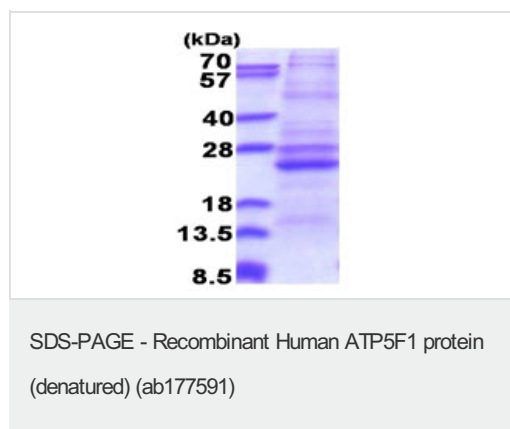
## General Info

**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.

**Sequence similarities** Belongs to the eukaryotic ATPase B chain family.

**Cellular localization** Mitochondrion. Mitochondrion inner membrane.

## Images



15% SDS-PAGE analysis of ab177591 (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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