Datasheet for ABIN667308

# ATP5O Protein (AA 24-213) (His tag)

1 Image

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## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | ATP5O |
| Protein Characteristics: | AA 24-213 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ATP5O protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

| | |
|---|---|
| Characteristics: | ATP5O, 24-213aa, Human, His tag, E.coli |
| Purity: | > 95 % by SDS - PAGE |

## Target Details

| | |
|---|---|
| Target: | ATP5O |
| Alternative Name: | ATP5O (ATP5O Products) |
| Background: | ATP synthase subunit O, also known as ATP5O, localizes to the mitochondria and catalyzes ATP synthesis. The protein is a component of the F-type ATPase found in the mitochondrial matrix. F-type ATPases are composed of a catalytic core and a membrane proton channel. The encoded protein appears to be part of the connector linking these two components and may be involved in transmission of conformational changes or proton conductance. Recombinant |

## Target Details

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|---|---|
| | human ATP5O protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: ATP synthase subunit O, ATPO, OSCP. NCBI no.: NP_001688 |
| Molecular Weight: | 23.1 kDa (211aa), confirmed by MALDI-TOF |
| Pathways: | Proton Transport, Ribonucleoside Biosynthetic Process |

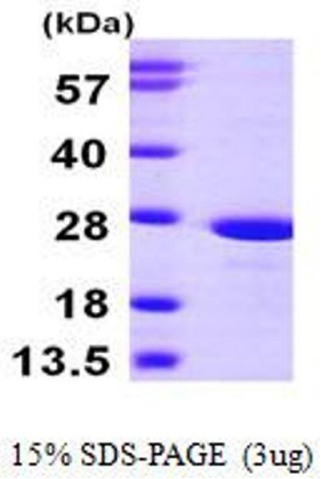
## Application Details

| | |
|---|---|
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/ml (determined by Bradford assay) |
| Buffer: | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.2M NaCl |
| Storage: | 4 °C |

## Images




**SDS-PAGE**

**Image 1.**