

For Research Use Only

# Recombinant Human ATP1B3 protein (rFc Tag)



Catalog Number: Eg4947

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human ATP1B3 protein Thr57-Ala279 (Accession# P54709-1) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**  
483

**Accession:**  
P54709-1

**Predicted Molecular Mass:**  
52.2 kDa

**SDS-PAGE:**  
52-65 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

ATP1B3 (also known as CD298) is the  $\beta$  3 subunit of Na<sup>+</sup>/K<sup>+</sup>-ATPase which functions to maintain sodium and potassium gradients across membranes involved in cellular activities. ATP1B3 is a glycosylated protein and there are fully and intermediately glycosylated forms of ATP1B3 in mammalian cells.

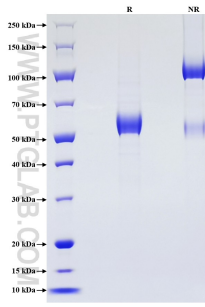
## References

1. Zhang, Shu-Hong et al. The Journal of biological chemistry vol. 294,16 (2019): 6375-6386.
2. Lian, Wei-Nan et al. Journal of cell science vol. 119,Pt 1 (2006): 11-22.
3. Chiampanichayakul, Set al. Tissue antigens vol. 68,6 (2006): 509-17.

## Synonyms

ATPB 3, ATPB-3, CD298, Sodium/potassium-dependent ATPase subunit beta-3, Sodium/potassium-transporting ATPase subunit beta-3

## Selected Validation Data



Purity of Recombinant Human ATP1B3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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