For Research Use Only

# Recombinant Human APOH protein (mFc Tag)(HPLC verified)

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Catalog Number: Eg3622

## Basic Information

**Species:**
Human

**Purity:**
>90 %, SDS-PAGE<br> >90 %, SEC-HPLC

**Tag:**
mFc Tag

## Technical Specifications

**Purity:**
>90 %, SDS-PAGE<br> >90 %, SEC-HPLC

**Endotoxin Level:**
<0.1 EU/μg protein, LAL method

**Source:**
HEK293-derived Human APOH protein Gly20-Cys345 (Accession# P02749) with a mouse IgG Fc tag at the C-terminus.

**GeneID:**
350

**Accession:**
P02749

**Predicted Molecular Mass:**
62.9 kDa

**SDS-PAGE:**
68-85 kDa, reducing (R) conditions

**Formulation:**
Lyophilized from 0.22 μm 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Apolipoprotein H (ApoH), also known as beta2-glycoprotein I (B2-GPI), is a plasma glycoprotein, primarily synthesized in the liver. It has an important function in blood coagulation and clearance of apoptotic bodies from the circulation. ApoH is also an important actor of host innate immune response through its capacity to bind with high affinity to a large panel of pathogens or their proteins. APOH is classified within the candidate cardiovascular disease genes and is localized to the Golgi apparatus and is secreted into the blood.

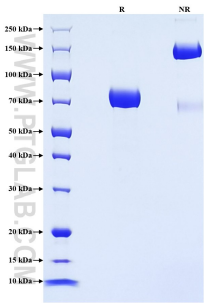
## References

1. Castro A, et al. (2010). Atherosclerosis. Mar;209(1):201-5.
2. Tan Y, et al. (2021). Front Immunol. May 4;12:604222.
3. Hasstedt, S. J., et al. (2016). Hum Genet. Feb;135(2):201-207.

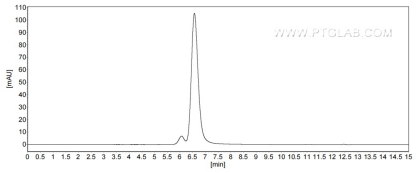
## Synonyms

Apolipoprotein H, Activated protein C-binding protein, Apo H, Apo-H, ApolipoproteinH

## Selected Validation Data




Purity of Recombinant Human APOH 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.




The purity of Human APOH was greater than 90% as determined by SEC-HPLC.