

PRODUCT INFORMATION

APOH **Target**

Synonyms BG;B2G1;B2GP1

Recombinant human APOH Protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P02749 **Expression Host HEK293**

Tag C-6×His Tag

Molecular Characterization

Purity

Usage

APOH(Gly20-Cys345) 6×His tag

The protein has a predicted molecular mass of **Molecular Weight**

37.1 kDa after removal of the signal peptide. The apparent molecular mass of APOH-His is

approximately 35-70 kDa due to glycosylation.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Apolipoprotein H, also known as beta-2-glycoprotein I, is a component of circulating plasma lipoproteins. It has been implicated in a variety of physiologic pathways including

lipoprotein metabolism, coagulation, hemostasis,

and the production of antiphospholipid autoantibodies. APOH may be a required cofactor

for anionic phospholipid binding by the

antiphospholipid autoantibodies found in sera of **Background**

many patients with lupus and primary antiphospholipid syndrome (APS). The anti-beta (2) glycoprotein I antibodies from APS patients, mediate inhibition of activated protein C which has anticoagulant properties. Because beta-2-GPI is the main autoantigen in patients with APS, the disruption of this pathway by autoantibodies may be an important mechanism for thrombosis in

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patients with APS.[provided by RefSeq, Dec 2019] Research use only

Conjugate Unconjugated

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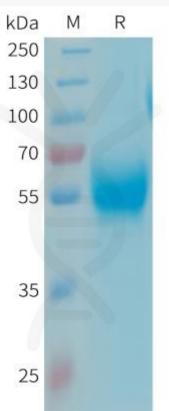


Figure 1. Human APOH Protein, His Tag on SDS-PAGE under reducing condition.

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