

# Recombinant Human Apolipoprotein H/ApoH Protein (His Tag)



Catalog Number:PKSH032087

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

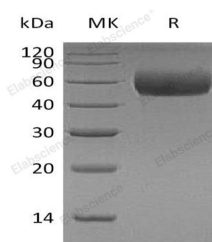
## Description

<b>Synonyms</b>	Beta-2-Glycoprotein 1;APC inhibitor;Activated Protein C-Binding Protein;Anticardiolipin Cofactor;Apolipoprotein H;Apo-H;Beta-2-Glycoprotein I;B2GPIBeta(2)GPI;APOH;B2G1;B2GP1;BG
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gly20-Ser345
<b>Accession</b>	P02749
<b>Calculated Molecular Weight</b>	37.3 kDa
<b>Observed molecular weight</b>	45-70 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Apolipoprotein H (ApoH) is a 50 kDa variably glycosylated member of the complement control superfamily of proteins. Human ApoH is a major phospholipid binding protein and an important component to measure in the assessment of anti-phospholipid syndrome. Hepatocyte-derived ApoH binds to negatively charged phospholipids. It circulates as a component of lipoprotein particles and as a lipid-free serum protein. Human ApoH is also more specific than anti-cardiolipin antibodies and its presence correlates better with thrombotic risk. Mature human ApoH shares 76% and 82% aa sequence identity with mouse and rat ApoH.

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