

## Apolipoprotein H/APOH Protein, Human (HEK293, His)

Cat. No.:	HY-P7533
Synonyms:	rHuApolipoprotein H, His; ApoH; B2G1; B2GP1; Apolipoprotein H
Species:	Human
Source:	HEK 293
Accession:	P02749 (G20-C345)
Gene ID:	350
Molecular Weight:	45-70 kDa

### PROPERTIES

#### AA Sequence

G R T C P K P D D L	P F S T V V P L K T	F Y E P G E E I T Y	S C K P G Y V S R G
G M R K F I C P L T	G L W P I N T L K C	T P R V C P F A G I	L E N G A V R Y T T
F E Y P N T I S F S	C N T G F Y L N G A	D S A K C T E E G K	W S P E L P V C A P
I I C P P P S I P T	F A T L R V Y K P S	A G N N S L Y R D T	A V F E C L P Q H A
M F G N D T I T C T	T H G N W T K L P E	C R E V K C P F P S	R P D N G F V N Y P
A K P T L Y Y K D K	A T F G C H D G Y S	L D G P E E I E C T	K L G N W S A M P S
C K A S C K V P V K	K A T V V Y Q G E R	V K I Q E K F K N G	M L H G D K V S F F
C K N K E K K C S Y	T E D A Q C I D G T	I E V P K C F K E H	S S L A F W K T D A
S D V K P C H H H H	H H		

#### Biological Activity

Data is not available.

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.2.

#### Endotoxin Level

<1 EU/μg, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH<sub>2</sub>O or PBS.

#### Storage & Stability

Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

#### Shipping

Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

#### Background

Apolipoprotein H (ApoH), also known as β<sub>2</sub>-glycoprotein I (β<sub>2</sub>GPI), is a 43–50 kDa single-chain glycoprotein that is expressed predominantly in the liver but also in other cell types such as endothelial cells, lymphocytes, astrocytes and neurons. ApoH

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is a phospholipid-binding (e.g. cardiolipin) plasma protein that also binds other negatively charged molecules such as DNA and oxidised low-density lipoproteins and interacts with a variety of proteins<sup>[1]</sup>.

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## REFERENCES

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[1]. Mather KA, et al. Genome-wide significant results identified for plasma apolipoprotein H levels in middle-aged and older adults. Sci Rep. 2016 Mar 31;6:23675.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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