

Recombinant human Apolipoprotein H/APOH protein

Catalog Number: ATGP3492

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-345aa

UniProt No.

P02749

NCBI Accession No.

NP_000033

Alternative Names

Beta-2-glycoprotein 1, APOH, BG, B2G1, B2GP1, Apolipoprotein H

PRODUCT SPECIFICATION

Molecular Weight

37.3 kDa (335aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

APOH, also known as Beta-2-glycoprotein 1, is a glycosylated member of the complement control superfamily of proteins. APOH binds to various kinds of negatively charged substances such as heparin, phospholipids, and dextran sulfate. This protein may prevent activation of the intrinsic blood coagulation cascade by binding to phospholipids on the surface of damaged cells. It has a complex involvement in agglutination, it appears to alter

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Adenosine diphosphate (ADP) mediated agglutination of platelets. Recombinant human APOH protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPGRTCPKP DDLPFSTVVP LKTFYEPGEE ITYSCKPGYV SRGGMRKFIC PLTGLWPINT LKCTPRVCPF AGILENGAVR
YTTFEYPNTI SFSCNTGFYL NGADSAKCTE EGKWSPELPV CAPIICPPPS IPTFATLRVY KPSAGNNSLY RDTAVFECLP
QHAMFGNDTI TCTTHGNWTK LPECREVKCP FPSRPDNGFV NYPAKPTLYY KDKATFGCHD GYSLDGPEEI ECTKLGNWSA
MPSCKASCKV PVKKATVVYQ GERVKIQEKF KNGMLHGDKV SFFCKNKEKK CSYTEDAQCI DGTIEVPCF KEHSSLAFWK
TDASDVKPCH HHHHH

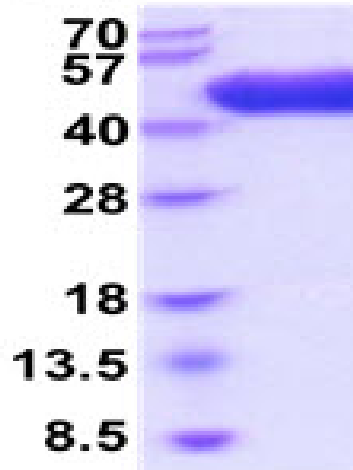
General References

About F. et al., (2015) PLoS One. 10:e0145105.
Laird ME. et al., (2014) J Hepatol. 61:770-776.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)