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

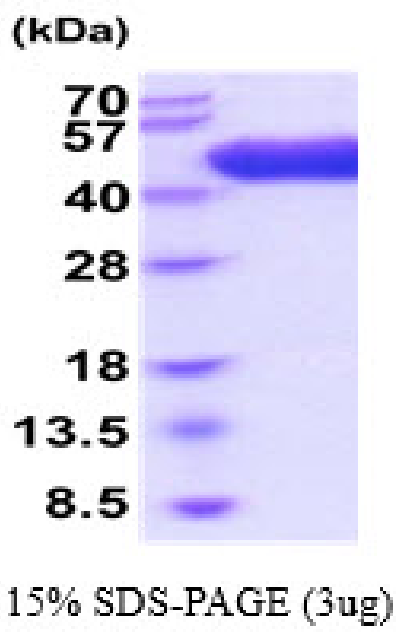
ADPGRTCPKP DDLPFSTVVP LKTFYEPGEE ITYSCKPGYV SRGGMRKFIC PLTGLWPINT LKCTPRVCPF AGILENGAVR YTTFEYPNTI SFSCNTGFYL NGADSAKCTE EGKWSPELPV CAPIICPPPS IPTFATLRVY KPSAGNNSLY RDTAVFECLP QHAMFGNDTI TCTTHGNWTK LPECREVKCP FPSRPDNGFV NYPAKPTLYY KDKATFGCHD GYSLDGPEEI ECTKLGNWSA MPSCKASCKV PVKKATVVYQ GERVKIQEKF KNGMLHGDKV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



15% SDS-PAGE (3ug)

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