



Apolipoprotein-H, His tag, human recombinant (rHuAPOH-His)

Catalog No: 97631
Lot No: XXXXX
Source: *E. coli*
Synonyms: Beta-2-glycoprotein 1, APC inhibitor, Activated protein C-binding protein, Anticardiolipin cofactor, Apolipoprotein H, Apo-H, Beta-2-glycoprotein I, B2GPI, Beta(2)GPI, APOH, B2G1, BG, B2GP1

Background

Apolipoprotein H (APOH) attaches to numerous kinds of negatively charged substances for instance heparin, phospholipids, and dextran sulfate. APOH prevents activation of the intrinsic blood coagulation cascade by attaching to phospholipids on the surface of damaged cells. APOH expressed by the liver and secreted in the plasma.

Description

APOH Human Recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 349 amino acids (20-345 a.a.) and having a molecular mass of 38.6 kDa. APOH is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

APOH protein solution (0.5 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 2 M urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MSGRTPCKP DDLPFSTVVP LKTFYEPGEE ITYSCKPGYV SRGGMRKFIC PLTGLWPINT
LKCTPRVCPF AGILENGAVR YTTFEYPNTI SFSCNTGFYL NGADSAKCTE EGKWSPELPV CAPIICPPPS IPTFATLRVY
KPSAGNNSLY RDTAVFECLP QHAMFGNDTI TCTTHGNWTK LPECREVKCP FPSRPDNGFV NYPAKPTLYY KDKATFGCHD
GYSLDGPPEI ECTKLGNSWA MPSCKASCKV PVKKATVVYQ GERVKIQEF KNGMLHGDKV SFFCKNKEKK CSYTEDAQCI
DGTIEVPKCF KEHSSLAFWK TDASDVKPC

Usage

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