

Product datasheet for **TP305017**

Apolipoprotein H (APOH) (NM_000042) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human apolipoprotein H (beta-2-glycoprotein I) (APOH), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC205017 protein sequence
Red=Cloning site **Green**=Tags(s)

MISPVLLIFSSFLCHVAIAGRTCPKPDDLFPSTVWPLKTFYEPGEEITYSCKPGYVSRGGMRKFICPLTG
LWPINTLKCTPRVCPFAGILENGAVRYTTFEYPNTISFSCNTGFYLNAGADSAKCTEEGKWSPPELPCAPI
ICPPPSIPTFATLRVYKPSAGNNSLYRDTAVFECLPQHAFMGNDTITCTTHGNWTKLPECREVKCFPSR
PDNGFVNYPKPTLYYKDKATFGCHDGYSLDGPEEIECTKLGNWSAMPSCASCKVPVKKATVVYQGERV
KIQEKFKNGMLHGDKVSFFCKNKEKCSYTEDAQCIDGTIEVPKCFKEHSSLAFWKTDASDVKPC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 36.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000033](#)

Locus ID: 350



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UniProt ID: [P02749](#), [A0A384NKM6](#)

RefSeq Size: 1216

Cytogenetics: 17q24.2

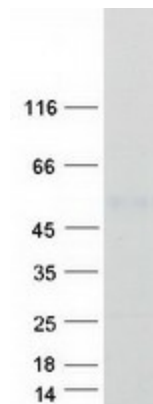
RefSeq ORF: 1035

Synonyms: B2G1; B2GP1; BG

Summary: Apolipoprotein H, also known as beta-2-glycoprotein I, is a component of circulating plasma lipoproteins. It has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, hemostasis, and the production of antiphospholipid autoantibodies. APOH may be a required cofactor for anionic phospholipid binding by the antiphospholipid autoantibodies found in sera of many patients with lupus and primary antiphospholipid syndrome (APS). The anti-beta (2) glycoprotein I antibodies from APS patients, mediate inhibition of activated protein C which has anticoagulant properties. Because beta-2-GPI is the main autoantigen in patients with APS, the disruption of this pathway by autoantibodies may be an important mechanism for thrombosis in patients with APS.[provided by RefSeq, Dec 2019]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified APOH protein (Cat# TP305017). The protein was produced from HEK293T cells transfected with APOH cDNA clone (Cat# [RC205017]) using MegaTran 2.0 (Cat# [TT210002]).