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Product datasheet for TP305017L

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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205017 protein sequence Red=Cloning site Green=Tags(s) MISPVLILFSSFLCHVAIAGRTCPKPDDLPFSTVVPLKTFYEPGEEITYSCKPGYVSRGGMRKFICPLTG LWPINTLKCTPRVCPFAGILENGAVRYTTFEYPNTISFSCNTGFYLNGADSAKCTEEGKWSPELPVCAPI ICPPPSIPTFATLRVYKPSAGNNSLYRDTAVFECLPQHAMFGNDTITCTTHGNWTKLPECREVKCPFPSR PDNGFVNYPAKPTLYYKDKATFGCHDGYSLDGPEEIECTKLGNWSAMPSCKASCKVPVKKATVVYQGERV KIQEKFKNGMLHGDKVSFFCKNKEKKCSYTEDAQCIDGTIEVPKCFKEHSSLAFWKTDASDVKPC 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

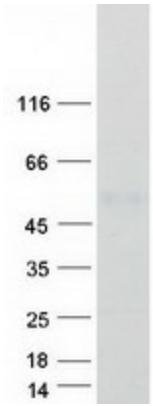
RefSeq ORF: 1035

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]).