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Product datasheet for TP701230

Apolipoprotein H (APOH) (NM_000042) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human apolipoprotein H (beta-2-glycoprotein I) (APOH) domain 1, Gly20-Cys84, with C-terminal His tag, expressed in HEK293 cells, 50ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC205017, encoding the region(Gly20-Cys84) of APOH
Tag:	C-His
Predicted MW:	8.2 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
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 after receiving vials.
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
UniProt ID:	P02749, A0A384NKM6
RefSeq Size:	1216
Cytogenetics:	17q24.2
RefSeq ORF:	1035
Synonyms:	B2G1; B2GP1; BG

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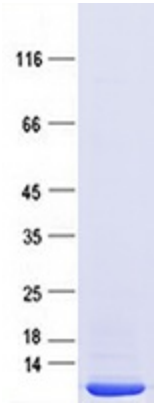
Summary: Apolipoprotein H, also known as beta-2-glycoprotein I, is a component of circulating plasma lipoproteins. It has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, hemostasis, and the production of antiphospholipid autoantibodies. APOH may be 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:



Purified recombinant protein APOH was analyzed by SDS-PAGE gel and Coomossie Blue Staining.