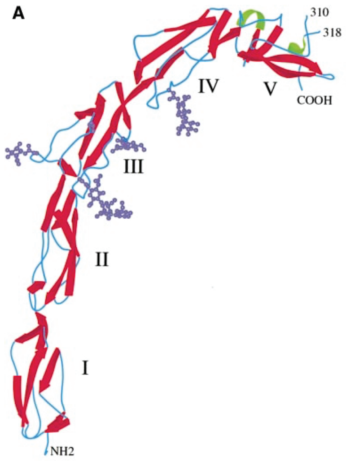
Recombinant
β2-Glycoprotein I, human, with his-tag

Catalog UCG002
Lot 1936

ImmunoPrecise
products@immunoprecise.com
www.immunoprecise.com

Product description

β2-Glycoprotein I has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, and the production of antiphospholipid autoantibodies. β2-Glycoprotein I 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, but it does not seem to be required for the reactivity of antiphospholipid autoantibodies associated with infections.



Reference sequences:	NM_000042
	NP_000033
	Swiss-prot P02749
Alternative names:	beta-2-glycoprotein 1
	B2GPI
	APC inhibitor
	anticardiolipin cofactor
	activated protein C-binding protein
	apolipoprotein H
	apo-H
Gene ID:	350

Residues 20-345 of human β2-Glycoprotein I were cloned, the protein was over-expressed in HEK293EBNA1 cells and purified to homogeneity. The protein contains a N-terminal TEV-protease cleavable hexahistidine tag. The calculated molecular weight of recombinant human β2-Glycoprotein I, residues 20-345 including hexahistidine tag and TEV site, is 39.0 kDa. Each vial contains 100 µg β2-Glycoprotein I at 1.29 mg/ml.

Storage and stability

β2-GPI should be stored at - 80 ºC (stable for at least 1 year). The buffer contains 20 mM Tris 150 mM NaCl pH 7.5 without preservative. After thawing it should be stored in appropriate small aliquots at - 20 ºC or - 80 ºC (stable for at least 2 months).

Protein sequence

gshhhhhhdydipssenlyfqgsgrtcpkpddlpfstvvplktfyepgeeit
ysckpgyvsrggmrkficpltglwpintlkctprvcpfagilengavryttfey
pntisfscntgfylngadsakcteegkwspelpvcapiicpppsiptfatlrvy
kpsagnnslyrdtavfeclpqhamfgndtitctthgnwtklpecrevkcpfp
srpdngfvnypakptlyykdkatfgchdgysldgpeeiectklgnwsamp
sckascklpvkkatvvyqgervkiqekfkngmlhgdkvsffcknkekkcsyt
edaqcidgtievpkcfkehsslafwktdasdvkpc*