

# Recombinant $\beta$ 2-Glycoprotein I, domain V, human, With his-tag

Catalog UCG008  
Lot 1937

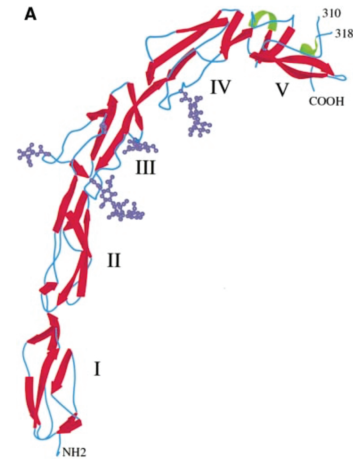
## Product description

$\beta$ 2-Glycoprotein I has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, and the production of antiphospholipid autoantibodies.  $\beta$ 2-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. Domain V contains binding site for acidic phospholipids.

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 262-345 of human  $\beta$ 2-Glycoprotein I were cloned, the protein was over-expressed in HEK293EBNA1 cells and purified to homogeneity. The protein contains a N-terminal, TEV-cleavable hexahistidine-tag. The calculated molecular weight of recombinant human  $\beta$ 2-Glycoprotein I, domain V, residues 262-345, is 12.3 kDa. Each vial contains 100  $\mu$ g  $\beta$ 2-Glycoprotein I domain V at 2.19 mg/ml.

## Storage and stability

$\beta$ 2-GPI-domain V should be stored at - 80  $^{\circ}$ C (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  $^{\circ}$ C or - 80  $^{\circ}$ C (stable for at least 2 months).

## Protein sequence

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mrpwtwvlllllcapcyagsgshhhhhhdypipssenlyfqqsasckvvpv  
kkatvvyqgervkiqekfknngmlhgdkvsffcknekckcsytedaqcidgti  
evpkckfkehsslafwkt dasdvkpc*
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