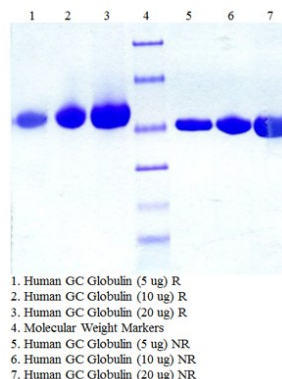


GC

Native Human GC Globulin, Plasma, Mixed Type

Catalog No.	CSI19801A CSI19801B	Quantity:	1.0 mg 5 mg
Alternate Names:	Vitamin D-binding protein, Gc protein-derived macrophage activating factor		
Description:	GC globulin, also known as Vitamin D-binding protein (DBP/VDB), Vitamin D-binding protein-macrophage activating factor (DBP-MAF), and Gc protein-derived macrophage activating factor (Gc-MAF), is an alpha 2 glycoprotein composed of a single polypeptide chain and present in plasma at levels of 20-55 mg/100 ml. It functions in the binding and transport of vitamin D and may also play an important role in actin homeostasis since it has been shown to bind monomeric actin with high affinity. GC-globulin also binds membranes of both circulating B and T lymphocytes. Clinically, concentrations are reduced in patients with severe liver diseases. GC-globulin may also play an important role in the mechanism of the osteomalacia that occurs with Itai-Itai disease.		
UniProt ID:	P02774		
Gene ID:	2638		
Source:	Human plasma		
Molecular Weight:	56 kDa		
Formulation:	Lyophilized from 0.02M Sodium Phosphate, 0.15M NaCl, pH 7.4		
Purity:	>95% by SDS-PAGE analysis		
Extinction Coefficient:	$E_{280\text{nm}}^{0.1\%} = 0.63$		
Reconstitution:	Centrifuge vial prior to opening. Add deionized water to 0.1-1.0 mg/ml, aliquot and freeze unused portion.		
Biological Activity:	Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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