

Active Human Vitamin D Binding Protein Reference Standard

Cat. No. GC-25H Lot. No. (See product label)

SPECIFICATION

Species	Human
Description	The protein encoded by this gene belongs to the albumin gene family. It is a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and on the surface of many cell types. It binds to vitamin D and its plasma metabolites and transports them to target tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Bio-activity	The level of VDB in the serum was quantified using ELISA.
Usage	For research use only, not for diagnostic or therapeutic use.
Quality Control Test	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
Storage	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
Concentration	0.43 mg/ml
Preservative	0.1% sodium azide

GENE INFORMATION

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Gene Name	GC group-specific component (vitamin D binding protein) [Homo sapiens]
Official Symbol	GC
Synonyms	GC; group-specific component (vitamin D binding protein); vitamin D-binding protein; DBP; hDBP; VDBP; VDB; gc-globulin; vitamin D-binding alpha-globulin; GRD3; VDBG; DBP/GC;
Gene ID	2638
mRNA Refseq	NM_000583
Protein Refseq	NP_000574
UniProt ID	P02774
Chromosome Location	4q12-q13
Pathway	Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of steroid hormones and vitamins A and D, organism-specific biosystem; Vitamin D (calciferol) metabolism, organism-specific biosystem;
Function	actin binding; vitamin D binding; vitamin transporter activity;

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