Active Recombinant Human GC Protein (Leu17-Leu474, K436T), C-6×His-tagged

Cat. No. GC-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GC Protein (Leu17-Leu474, K436T) with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	NS0
ProteinLength	Leu17-Leu474, K436T
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.
Bio-activity	Measured by its binding ability in a functional ELISA. When Vitamin D3-BSA Conjugate is immobilized at 2 μg/mL, 100 μL/well, Recombinant Human Vitamin D BP binds with an ED50 of 2-10 μg/mL.
Molecular Mass	Predicted Molecular Mass: 52 kDa SDS-PAGE: 57-63 kDa, reducing conditions
N-terminal Sequence Analysis	Leu17

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Endotoxin	<0.10 EU/μg of the protein by the LAL method.
Purity	>90% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	GC GC vitamin D binding protein [Homo sapiens (human)]
Official Symbol	GC
Synonyms	GC; GC vitamin D binding protein; DBP; VDB; GRD3; VDBG; VDBP; GcMAF; DBP/GC; Gc-MAF; DBP-maf; HEL-S-51; vitamin D-binding protein; epididymis secretory protein Li 51; gc protein-derived macrophage activating factor; gc-globulin; group-specific component (vitamin D binding protein); vitamin D-binding alpha-globulin; vitamin D-binding protein-macrophage activating factor; EC 6.3.1.5; EC 6.4.-.-
Gene ID	2638
mRNA Refseq	NM_000583

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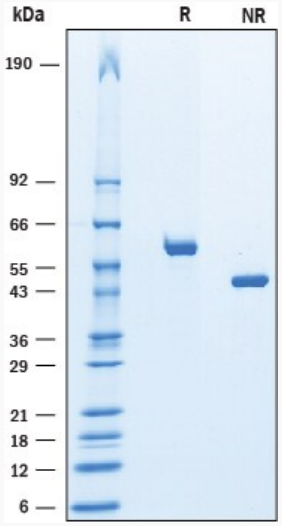
Protein Refseq	NP_000574
MIM	139200
UniProt ID	P02774
SDS-PAGE	

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