

# Recombinant Human GC Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** GC-003H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	GC MS Standard C13 and N15-labeled recombinant protein (NP_000574) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	52.9 kDa
<b>AA Sequence</b>	MKRVLVLLLAFAFGHALERGRDYEKKNKVCKEFSHLGKEDFTSLSLVLYSRKFPSGTF EQVSQLVKEVVSLEACCAEGADPDCYDTRTSALSASCSNSPFPVHPGTAECCCT KEGLERKLCMAALKHQPFQFPTTYVEPTNDEICEAFRKDPKEYANQFMWEYSTNYG QAPLSLLVSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHLSTLTLNVRVCSQYAA YGEKKSRLSNLIKLAQKVPTADLEDVLAEDITNILSKCCESASEDCMAKELPEHTV KLCDNLSTKNSKFEDCCQEKTAMDVVFCTYFMPAAQLPELPDVELPTNKDVCDPGN TKVMDKYTFELSRRTHLPEVFLSKVLEPTLKSLGECDDVEDSTTCFNAKGPLLKEL SSFIDKGQELCADYSENTFTEYKKKLAERLKAKLPDATPTELAKLVNKRSDFASNCC

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SINSPPLYCDSEIDAELKNILTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [GC GC vitamin D binding protein \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [GC](#)

**Synonyms** GC; GC vitamin D binding protein; DBP; DBP-maf; DBP/GC; Gc-MAF; GcMAF; GRD3; HEL-S-51; VDB; VDBG; VDBP; 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 6.4.-.-

**Gene ID** [2638](#)

**mRNA Refseq** [NM\\_000583](#)

**Protein Refseq** [NP\\_000574](#)

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**MIM** 139200

**UniProt ID** P02774

**SDS-PAGE**



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