

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

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

SPECIFICATION

Product Overview	GC MS Standard C13 and N15-labeled recombinant protein (NP_000574) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	52.9 kDa
AA Sequence	MKRVLVLLLAFAFGHALERGRDYEKNKVCKEFSHLGKEDFTLSLSLVLYSRKFPSGTF EQVSQLVKEVVSLEACCAEGADPDCYDTRTSALSAKSCESNSPFPVHPGTAECCCT KEGLERKLCMAALKHQPPQEFPTYVEPTNDEICEAFRKDPKEYANQFMWEYSTNYG QAPLSLLVSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHLSTLTLNVRVCSQYAA YGEKKSRLSNLIKLAQKVPTADLEDVLPLAEDITNILSKCCESASEDCMAKELPEHTV KLCDNLSTKNSKFEDCCQEKAMDV FVCTYFM PAAQLPELPDVELPTNKDVCDPGN TKVMDKYTFELSRRTHLPEVFLSKVLEPTLKSLGECCDVEDSTTCFNAKGPLLKKEL SSFIDKGQELCADYSENTFTEYKKKLAERLKAKLPDATPTELAKLVNKRSDFASNCC

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SINSPLYCDSEIDAELKNILTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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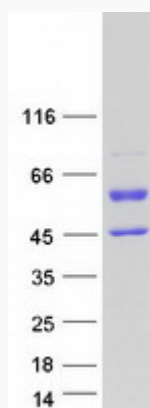
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MIM 139200

UniProt ID P02774

SDS-PAGE



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