

Recombinant Human GC Protein, His-tagged

Cat. No. GC-200H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GC, transcript variant 1, fused with His tag at C-terminal 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
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH 7.2
Molecular Mass	52.3kD
AA Sequence	LERGRDYEKNKVCKEFSHLGKEDFTSLSLVLYSRKFPSGTFEQVSQLVKEVVSLTEA CCAEGADPCYDTRTSALSASKCESNSPFPVHPGTAECCTKEGLERKLCMAALKH QPQEFPTYVEPTNDEICEAFRKDPKEYANQFMWEYSTNYGQAPLSLLVSYTKSYLS MVGSCCTSASPTVCFLKERLQLKHLSTLTLNRSVCSQYAAAYGEKKSRLSNLIKLAQ KVPTADLEDVLPLAEDITNILSKCCESASEDCMAKELPEHTVKLCDNLSTKNSKFEDC CQEKAMDFVCTYFMPAAQLPELPDVELPTNKDVCDPGNTKVMKYTFELSRRTH LPEVFLSKVLEPTLKSLGECDDVEDSTTCFNAKGPLLKELSSFIDKGOELCADYSEN TFTEYKKKLAERLKAALPDATPELAKLVNKRSDFASNCCSINSPPLYCDSEIDAELK

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	NILVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

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

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