

# Recombinant Full Length Human GC Protein, C-Flag-tagged

**Cat. No.** GC-1254HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human GC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 51.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p> MKRVLVLLLAFAFGHALERGRDYEKNKVCKEFSHLGKEDFTSLSLVLYSRKFPSGTF<br/> EQVSQLVKEVVSL TEACCAEGADPDCYDTRTSALSAKSCESNSPFPVHPGTAIECC<br/> TKEGLERKLCMAALKHQPPQEFPTYVEPT NDEICEAFRKDPKEYANQFMWEYSTNY<br/> GQAPLSLLVSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHLS LLTTLSNRVCSQYA<br/> AYGEKKSRLSNLIKLAQKVPTADLEDVLPLAEDITNILSKCCESASEDCMAKELPE HT<br/> VKLCDNLSTKNSKFEDCCQEKTAAMDVFVCTYFMPAAQLPELPDVELPTNKDVCDPG<br/> NTKVMCKYTFEL SRRTHLPEVFLSKVLEPTLKS LGECDDVEDSTTCFNAKGPLLKKE<br/> LSSFIDKGQELCADYSENTFTFYKK </p> |

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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                         | KLAERLKAKLPDATPTELAKLVNKRSDFASNCCSINSPLYCDSEIDAEKNILTRTRP<br>LEQKLISEEDLAANDILDYKDDDDKV                                                       |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Secreted Protein                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| <b>Gene Name</b>       | GC GC vitamin D binding protein [ Homo sapiens (human) ]             |
| <b>Official Symbol</b> | GC                                                                   |
| <b>Synonyms</b>        | DBP; VDB; GRD3; VDBG; VDBP; GcMAF; DBP/GC; Gc-MAF; DBP-maf; HEL-S-51 |
| <b>Gene ID</b>         | 2638                                                                 |
| <b>mRNA Refseq</b>     | NM_000583.4                                                          |

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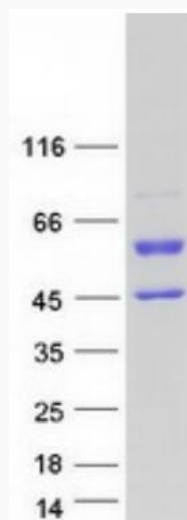
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**Protein Refseq** NP\_000574.2

**MIM** 139200

**UniProt ID** P02774



Coomassie blue staining of purified GC protein.

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