

## Recombinant Full Length Human GC Protein, GST-tagged

**Cat. No.** GC-5160HF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human GC full-length ORF ( AAH57228.1, 1 a.a. - 474 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 474 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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. [provided by RefSeq]                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 79.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | <p>MKRVLVLLLAFAFGHALERGRDYEKNKVCKEFSHLGKEDFTSLSLVLYSRKFPSGTF</p> <p>EQVSQLVKEVVSLEACCAEGADPDCYDTRTSALSAKSCESNSPFPVHPGTAECCCT</p> <p>KEGLERKLCMAALKHQPPQEFPTYVEPTNDEICEAFRKDPKEYANQFMWEYSTNYG</p> <p>QAPLSLLVSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHLSTLTLNVRVCSQYAA</p> <p>YGEKKSRLSNLIKLAQKVPTADLEDVLPLAEDITNILSKCCESASEDCMAKELPEHTV</p> <p>KLCDNLSTKNSKFEDCCQEKAMDVVFVCTYFMPAAQLPELPDVELPTNKDVCDPGN</p> <p>TKVMDKYTFELSRRTHLPEVFLSKVLEPTLKS LGECDDVEDSTTCFNAKGPLLKKE</p> <p>SSFIDKGQELCADYSENTFTEYKKKLAERLKAKLPDATPTELAKLVNKRSDFASNCC</p> <p>SINSPPLYCDSEIDAELKNIL</p> |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                             |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                      |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                               |
| <b>Gene Name</b>        | GC group-specific component (vitamin D binding protein) [ Homo sapiens ]                                                                                                      |
| <b>Official Symbol</b>  | GC                                                                                                                                                                            |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 2638                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_000583                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_000574                                                                                                                                                                     |
| <b>MIM</b>              | 139200                                                                                                                                                                        |
| <b>UniProt ID</b>       | P02774                                                                                                                                                                        |

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