

## Recombinant Human GC protein, His & T7-tagged

Cat. No. GC-1825H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GC aa. (Leu209~Asp401 (Accession # P02774)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu209~Asp401
<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>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 25.0kDa.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.2.

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	GC GC, vitamin D binding protein [ Homo sapiens (human) ]
<b>Official Symbol</b>	GC
<b>Synonyms</b>	Col2a1; collagen type II alpha 1 chain; CG2A1A; COLLI2; collagen alpha-1(II) chain; Procollagen II alpha 1; alpha-1 type II collagen; collagen type II (Col2A1) gene, enhancer region; collagen, type II, alpha 1; procollagen, type II, alpha 1
<b>Gene ID</b>	2638
<b>mRNA Refseq</b>	NM_000583.3
<b>Protein Refseq</b>	NP_000574.2

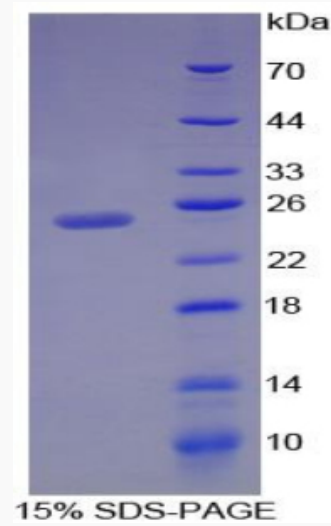
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UniProt ID

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SDS-PAGE

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