

Recombinant Human GC protein, His-tagged

Cat. No. GC-1824H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GC aa. (Glu18~Leu211 (Accession # P02774)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu18~Leu211
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 6.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	GC GC, vitamin D binding protein [Homo sapiens (human)]
Official Symbol	GC
Synonyms	Col2a1; collagen, type II, alpha 1; Dmm; Lpk; Col2; Del1; Col2a; Col2a-1; Rgsc856; collagen alpha-1(II) chain; alpha-1 type II collagen; chondrocalcin; procollagen, type II, alpha 1
Gene ID	2638
mRNA Refseq	NM_000583.3

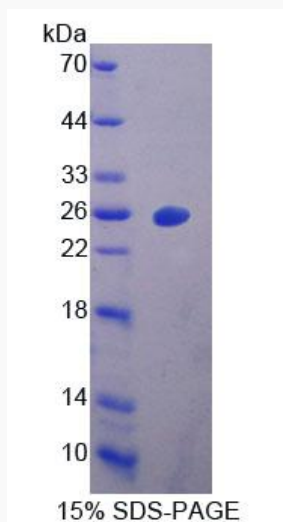
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Protein Refseq NP_000574.2

UniProt ID P02774



SDS-PAGE

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