

**GC Blocking Peptide (C-Term)**  
**Synthetic peptide**  
**Catalog # BP22047b**

**Specification**

---

**GC Blocking Peptide (C-Term) - Product Information**

Primary Accession [P02774](#)

**GC Blocking Peptide (C-Term) - Additional Information**

**Gene ID** 2638

**Other Names**

Vitamin D-binding protein, DBP, VDB, Gc-globulin, Group-specific component, GC

**Target/Specificity**

The synthetic peptide sequence is selected from aa 462-473 of HUMAN GC

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GC Blocking Peptide (C-Term) - Protein Information**

**Name** GC

**Function**

Involved in vitamin D transport and storage, scavenging of extracellular G-actin, enhancement of the chemotactic activity of C5 alpha for neutrophils in inflammation and macrophage activation.

**Cellular Location**

Secreted.

**Tissue Location**

Expressed in the liver. Found in plasma, ascites, cerebrospinal fluid and urine.

**GC Blocking Peptide (C-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **GC Blocking Peptide (C-Term) - Images**

#### **GC Blocking Peptide (C-Term) - Background**

Multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid, and urine and on the surface of many cell types. In plasma, it carries the vitamin D sterols and prevents polymerization of actin by binding its monomers. DBP associates with membrane-bound immunoglobulin on the surface of B-lymphocytes and with IgG Fc receptor on the membranes of T-lymphocytes.

#### **GC Blocking Peptide (C-Term) - References**

Cooke N.E.,et al.J. Clin. Invest. 76:2420-2424(1985).  
Yang F.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:7994-7998(1985).  
Braun A.,et al.Biochim. Biophys. Acta 1216:385-394(1993).  
Witke W.F.,et al.Genomics 16:751-754(1993).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).