

**Recombinant Human Vitamin D-Binding Protein/VDB/Gc-globulin Protein(C-6His)**

**Cat.NO.: TP05403**

3th Edition

**Synonyms:**Vitamin D-Binding Protein; DBP; VDB; Gc-Globulin; Group-Specific Component; GC

**Description:**Vitamin D-Binding Protein (DBP) is a member of the ALB/AFP/VDB family. DBP is a secreted protein and contains three albumin domains. The primary structure contains 28 cysteine residues forming multiple disulfide bonds. DBP acts as a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid, and urine and on the surface of many cell types. DBP binds to vitamin D and its plasma metabolites and transports them to target tissues. DBP associates with membrane-bound immunoglobulin on the surface of B-lymphocytes and with IgG Fc receptor on the membranes of T-lymphocytes.

**Form:**PBS

**Molecular Weight:**52.3 kDa

**Sequences:**Leu17-Leu474

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.