

Product Name: Recombinant Human VDB (C-6His)
Catalog #: PHH0718

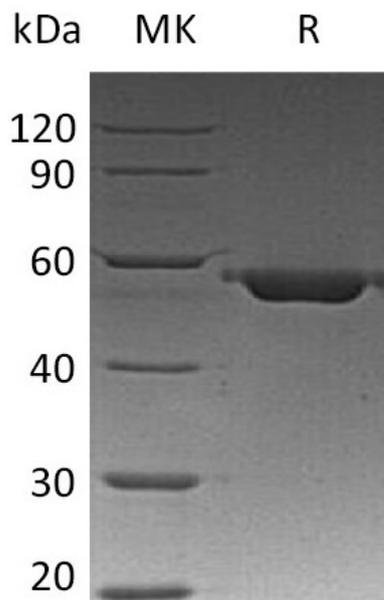


Summary

| | |
|---------------------------------|--|
| Name | Vitamin D-Binding Protein/VDB/DBP/GC/Gc-globulin |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | <1 EU/μg as determined by LAL test. |
| Construction | Recombinant Human Vitamin D-Binding Protein is produced by our Mammalian expression system and the target gene encoding Leu17-Leu474 is expressed with a 6His tag at the C-terminus. |
| Accession # | P02774 |
| Host | Human Cells |
| Species | Human |
| Predicted Molecular Mass | 52.3 KDa |
| Formulation | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| Stability&Storage | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| Reconstitution | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

SDS-PAGE image

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Alternative Names

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

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.