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Product Datasheet

Recombinant Human VDB (C-6His) EBT-EPT229

Article Name	Recombinant Human VDB (C-6His)
Biozol Catalog Number	EBT-EPT229
Supplier Catalog Number	EPT229
Alternative Catalog Number	EBT-EPT229-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 52.3 KDa. Apparent molecular weight: 53 KDa, reducing conditions
UniProt	P02774
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. 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