

## VDB Protein, Mouse, Recombinant (His)

## General Information

Synonyms:	Gc;Group-specific component;DBP;Vitamin D-binding protein;VDB;Gc-globulin
Protein Construction:	17-476 aa
Species:	Mouse
Expression Host:	P. pastoris (Yeast)
Accession:	P21614
Molecular Weight:	53.9 kDa (predicted)
AA Sequence:	LERGRDYEKDKVCNELAMLGKEDFRSLILYSRKFSSTFEQVNQLVKEVSLTEECCAEGADPTCYDTRTSEL SVKSCESDAPFPVHPGTPPECCTKEGLERKLCMAALSHQPQEFPTYVEPTNDEICEAFRRDPKGFADQFLYEYS SNYGQAPLPLLVAYTKNYLSMVGSCCTSANPTVCFVKERLQMKHLSLLTTMSNRVCSQYAAYGKEKSRLSHLI KLAQKVPTANLEENVLPLAEDFTEILSRCESTSEDCMASELPEHTIKICQNLSKKNSKFEECCQENTPMNIFMCT YFMPAAEPLQLPAIKLPTGKDLGQSTTQAMDQYTFELSRRTQVPEVFLSKVLEPTLKTRECCDTQDSVACFS TQSPLLKRQLTSFIEKGQEMCADYSENTFTHEYKKLAERLRTKTPNTSPAELKDMVEKHSDFASKCCSINSPPL YCSSQIDAEMIDLQS

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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