



# Recombinant Human Vitamin D-binding protein (GC)

<b>Product Code</b>	CSB-EP009306HU-B
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P02774
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	RGRDYEKNKVCKEFSLH GKEDFTSLSLVLYSRKFPSPGTFEQVSQLVKEVVSLT EACCAEGADPDCYDTRTSALS AKSCESNSPFPVHPGTAECCTKEGLERKLCM AALKHQ PQEFPTYVEPTNDEICEAFRKDPKEYANQFMWEYSTNYGQAPLSLL VSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHL SLLTTLSNRVCSQYAAAYGE KKSRLSNLIKLAQKVPTADLEDV LPLAEDITNILSKCCESASEDCMAKELPEHTV KLCDNLSTKNSKFEDCCQEKTAMDV FVCTYFMPAAQLPELDPVELPTNKDVC DPGNTKVM DKYTFELSRRTHLPEVFLSKVLEPTL KSLGECDDVEDSTTCFNAK GPLLKKELSSFIDKGQELCADYSE NTFTEYKKKLAERLKAKLPDATPTELAKLV NKHSDFASNCCSINSPPLYCDSEIDAELKNIL
<b>Research Area</b>	Transport
<b>Source</b>	E.coli
<b>Target Names</b>	GC
<b>Protein Names</b>	Recommended name: Vitamin D-binding protein Short name= DBP Short name= VDB Alternative name(s): Gc-globulin Group-specific component
<b>Expression Region</b>	19-474aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein belongs to the albumin gene family. It is a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and on the surface of many cell types. It binds to vitamin D and its plasma metabolites and transports them to target tissues.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.