



Recombinant Mouse Vitamin D-binding protein (Gc)

Product Code	CSB-MP009306MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21614
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	LERG RDYEKDKVCN ELAMLGKEDF RSLSLILYSR KFSSTFEQV NQLVKEVVSL TEECCAEGAD PTCYDTRTSE LSVKSCESDA PFPVHPGTPE CCTKEGLERK LCMAALSHQP QEFPTYVEPT NDEICEAFRR DPKGFADQFL YEYSSNYGQA PLPLLVAYTK NYLSMVGSCC TSANPTVCFV KERLQMKHLS LLTTMSNRVC SQYAAYGKEK SRLSHLIKLA QKVPTANLEN VLPLAEDFTE ILSRCESTS EDCMASELPE HTIKICQNLS KKNSKFEECC QENTPMNIFM CTYFMPPAAEP LQLPAIKLPT GKDLGCGQSTT QAMDQYTFEL SRRTQVPEVF LSKVLEPTLK TLRECCDTQD SVACFSTQSP LLKRQLTSFI EKGQEMCADY SENTFTEYKK KLAERLRTKT PNTSPAELKD MVEKHSDFAS KCCSINSPPL YCSSQIDAEM IDTLQS
Source	Mammalian cell
Target Names	Gc
Protein Names	Recommended name: Vitamin D-binding protein Short name= DBP Short name= VDB Alternative name(s): Gc-globulin Group-specific component
Expression Region	17-476
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.