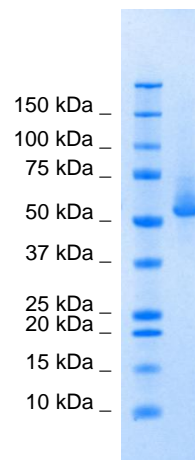


SIL-DBP protein standard – Arg/Lys ¹³ C ¹⁵ N labelling	
Human Vitamin D binding protein (Uniprot accession number P02774)	
Product Description	Recombinant human vitamin D binding protein (DBP) was expressed in HEK cells with polyHis purification tag and purified using proprietary method including affinity and ion exchange chromatography.
Protein sequence	LERGRDYEKKNKVCKEFSLGKEDFTLSLSLVLYSRKFPSTGFEQVSQVLKEVVS LTEACCAEGADPDCYDTRTSALSAKSCESNSPFPVHPGTAECCTKEGLERKL CMAALKHQPFQEFPTYVEPTNDEICEAFRKDPKEYANQFMWEYSTNYGQAPLS LLVSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHLSSLTTLNLRVCSQYAA GEKKSRLSNLIKLAQKVPTADLEDVPLAEDITNILSKCESASEDCMAKELPE HTVKLCDNLSTKNSKFEDCCQEKTAMDVFVCTYFMPAAQLPELDPVELPTNK DVCDPGNTKVMKDYTFELSRRTHLPEVFLSKVLEPTLKSLGECDDVEDSTTCF NAKGPLLKKESSFIDKQGQELCADYSENTFTEYKKKLAERLKAKLPDATPKEL AKLVNKRSDFASNCCSINSPPLYCDSEIDAELKNILHHHHHHHH
Predicted Molecular Mass	52.3 kDa
Expression system	HEK (Human Embryonic Kidney) cell line
Purity	Greater than 90% as determined by SDS-PAGE analysis
Labelling	ARG- ¹³ C ₆ , ¹⁵ N ₄ and LYS- ¹³ C ₆ , ¹⁵ N ₄ >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein
Tag information	PolyHis tag at the C-terminus
Protein Content	Quantitation is carried out by BCA protein assay using BSA as standard.
Formulation	Lyophilized - PBS buffer Reconstitute by adding H2O
Shipping and storage	The product is supplied as a lyophilized powder and shipped at room temperature. Store at -20°C upon receipt. After reconstitution, protein can be kept at 4°C for a few weeks.
Usage	The product is for research use only. Not for diagnostic or therapeutic use.



SIL-DBP protein standard – Arg/Lys $^{13}\text{C}^{15}\text{N}$ labelling

Human Vitamin D binding protein (Uniprot accession number P02774)

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