



Recombinant Escherichia coli Vitamin B12 import ATP-binding protein BtuD (btuD)

Product Code	CSB-EP637182EGW
Abbreviation	btuD
Storage	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.
Uniprot No.	Q1RB86
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain UTI89 / UPEC)
Purity	>85% (SDS-PAGE)
Sequence	MSIVMQLQDV AESTRLGPLS GEVRAGEILH LVGPNGAGKS TLLARMAGMT SGKGSIQFAG QPLEAWSATK LALHRAYLSQ QQTTPPFAMPV WHYLTLHQHD KTRTELLNDV AGALALDDKL GRSTNQLSGG EWQVRVLA AV VLQITPQANP AGQLLLLDEP MNSLDVAQQS ALDKILSALC QQGLAIVMSS HDLNHTLRHA HRAWLLKGGK MLASGRREEV LTPANLAQAY GMNFRRLDIE GHRMLISTI
Source	E.coli
Target Names	btuD
Protein Names	Recommended name: Vitamin B12 import ATP-binding protein BtuD EC=3.6.3.33 Alternative name(s): Vitamin B12-transporting ATPase
Expression Region	1-249
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 protein
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.