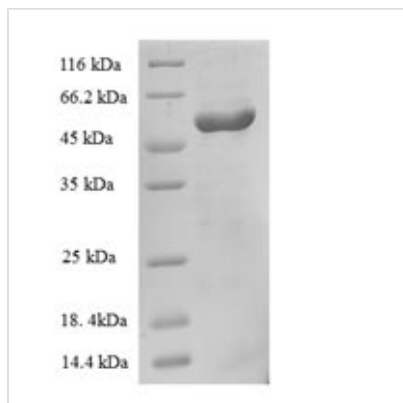




Recombinant Escherichia coli Vitamin B12-binding protein (btuF), partial

Product Code	CSB-EP327629ENV1e0
Relevance	Part of the ABC transporter complex BtuCDF involved in vitamin B12 import. Binds vitamin B12 and delivers it to the periplasmic surface of BtuC.
Abbreviation	Recombinant E.coli btuF protein, partial
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.	P37028
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PRVITLSPANTELAF AAGITPVG VSSYS DYP PQAQKIEQVSTWQGMNLERIVAL KPD LVIAWRGGNAERQVDQLASLG I KVMWVDATSIEQIANALRQLAPWSPQPD KAEQAAQSLLDQYAQLKAQYADKPKKR VFLQFGINPPFTSGKESIQNQVLEVC GGENIFKDSRVPWPQVSREQV LARS PQAIVITGGPDQIPKIKQYWGEQLKIPVI PLTSDWFERASPRIILAAQQLCNALSQVD
Research Area	Others
Source	E.coli
Target Names	btuF
Expression Region	24-266aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	53.9kDa
Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.