

Recombinant E.coli Vitamin B12-binding protein

Catalog No: #AP72233



Package Size: #AP72233-1 20ug #AP72233-2 100ug #AP72233-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant E.coli Vitamin B12-binding protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-266aaSequence Info:Full Length
Accession No.	P37028
Uniprot	P37028
GeneID	947574;
Calculated MW	53.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	PRVITLSPANTELAFAAGITPVGVSYSYDYPQAQKIEQVSTWQGMNLERIVALKPDLVIAWRGGNAERQVDQ LASLGIKVMWVDATSIEQIANALRQLAPWSPQPKAEQAQSLLDQYAQLKAQYADKPKKRVFLQFGINPPFT SGKESIQNQVLEVCVGGENIFKDSRVPWPQVSREQVLARSPQAIVITGGPDQIPKIKQYWGEQLKIPVIPLTSDW FERASPRIILAAQQLCNALSQVD
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Part of the ABC transporter complex BtuCDF involved in vitamin B12 import. Binds vitamin B12 and delivers it to the periplasmic surface of BtuC.

References

Crystal structures of the BtuF periplasmic-binding protein for vitamin B12 suggest a functionally important reduction in protein mobility upon ligand binding.Karpowich N.K., Huang H.H., Smith P.C., Hunt J.F.J. Biol. Chem. 278:8429-8434(2003)Research Topic:Others

Note: This product is for in vitro research use only