

Recombinant Escherichia coli BTUF Protein (24-266 aa), GST-tagged

Cat. No. BTUF-1263E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) BTUF Protein (24-266 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	E.coli
ProteinLength	24-266 aa
Description	Part of the ABC transporter complex BtuCDF involved in vitamin B12 import. Binds vitamin B12 and delivers it to the periplasmic surface of BtuC.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	53.9 kDa
AA Sequence	PRVITLSPANTELAFAAGITPVGVSYSYDPPQAQKIEQVSTWQGMNLERIVALKPDL VIAWRGGNAERQVDQLASLGIVMWVDATSIQIANALRQLAPWSPQPDKAEQAAQ SLLDQYAQLKAQYADKPKKRVFLQFGINPPFTSGKESIQNQVLEVCVCGGENIFKDSRV PWPQVSREQVLARSPQAIVITGGPDQIPKIKQYWGEQLKIPVIPLTSDWFERASPRIIL AAQQLCNALSQVD
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

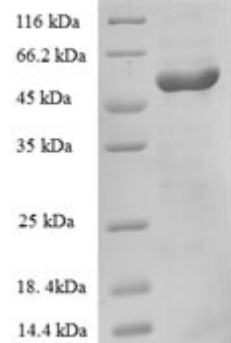
GENE INFORMATION

Gene Name	btuF vitamin B12 ABC transporter periplasmic binding protein [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	BTUF
Synonyms	ECK0157; yadT;
Gene ID	947574
Protein Refseq	NP_414700
UniProt ID	P37028

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

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