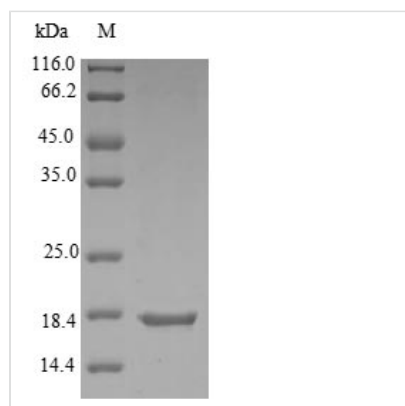




Recombinant Escherichia coli Protein yebF (yebF)

Product Code	CSB-EP329240ENV
Abbreviation	Recombinant E.coli yebF protein
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.	P33219
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ANNETSKSVTFPKCEDLDAAGIAASVKRDYQQNRVARWADDQKIVGQADPVA WVSLQDIQGKDDKWSVPLTVRGKSADHYQVSV DCKAGMAEYQRR
Research Area	others
Source	E.coli
Target Names	yebF
Protein Names	Recommended name: Protein yebF
Expression Region	22-118aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	15.8kDa
Protein Length	Full Length of Mature Protein

Image



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

Description

Amino acids 22-118 constitute the expression domain of recombinant Escherichia coli (strain K12) yebF. The calculated molecular weight for this yebF protein is 15.8 kDa. This protein is generated in a e.coli-based system. The N-



terminal 10xHis tag and C-terminal Myc tag was smoothly integrated into the coding gene of yebF, which enables a simple process of detecting and purifying the yebF recombinant protein in the following steps.

The Escherichia coli protein YebF is a secreted peptide that serves as a carrier for transgenic proteins, offering a solution to circumvent toxicity and contamination concerns related to protein generation in E. coli. Studies have shown that YebF is an effective fusion partner that carries recombinant target proteins from the cytosol of E. coli into the medium.

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.