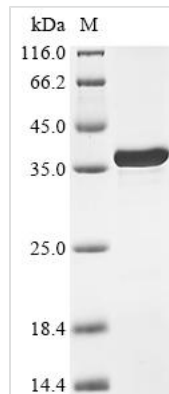




Recombinant Mycobacterium tuberculosis 50S ribosomal protein L2 (rplB)

Product Code	CSB-EP310574MVZ
Abbreviation	Recombinant Mycobacterium tuberculosis rplB 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.	P9WHA5
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Mycobacterium tuberculosis 50S ribosomal protein L2(rplB)
Immunogen Species	Mycobacterium tuberculosis (strain ATCC 25618 / H37Rv)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAIRKYKPTTPGRRGASVSDFAEITRSTPEKSLVRPLHGRGGRNAHGRITTRH KGGGHKRAYRMIDFRRNDKDGVNAKVAHIEYDPNRTARIALHLYLDGEKRYIIA PNGLSQGDVVESGANADIKPGNNLPLRNIPAGTLIHAVELRPGGGAKLARSAG SSIQLLGKEASYASLRMPSGEIRRVDVRCRATVGEVGNAEQANINWGKAGRM RWKGKRPSVRGVVMNPVDHPHGGGEGKTSGGRHPVSPWGKPEGRTNRAN KSSNKFIVRRRRTGKKHSR
Research Area	Others
Source	E.coli
Target Names	rplB
Expression Region	1-280aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	34.7 kDa
Protein Length	Full Length
Image	



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

Description

The production of recombinant *Mycobacterium tuberculosis* (strain ATCC 25618 / H37Rv) rplB protein involves manipulating the expression of the desired gene in *e.coli* cells. The sequence (1-280aa) of foreign DNA is merged with an expression vector and subsequently introduced into *e.coli* cells. Positive cells are chosen and cultivated to induce the expression of the desired protein. A N-terminal 6xHis tag is fused to the protein. The resulting recombinant *Mycobacterium tuberculosis* (strain ATCC 25618 / H37Rv) rplB protein undergoes purification through affinity purification, with a purity exceeding 90%, as confirmed by SDS-PAGE.

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.