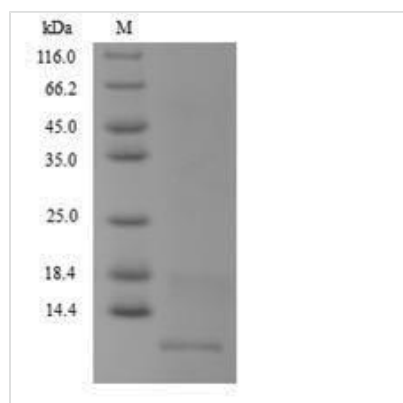




Recombinant Mycobacterium tuberculosis Antitoxin MT2731 (MT2731)

Product Code	CSB-YP300323MVZ
Relevance	Antitoxin component of a toxin-antitoxin (TA) module. Neutralizes the effect of cognate toxin MT2730
Abbreviation	Recombinant Mycobacterium tuberculosis MT2731 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.	P9WJ10
Product Type	Recombinant Protein
Immunogen Species	Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSGHALAARTLLAAADELVGGPPVEASAAALAGDAAGAWRTAAVELARALVR AVAESHGVA AVLFAATAAAAAA VDRGDPP
Research Area	Others
Source	Yeast
Target Names	MT2731
Protein Names	Recommended name: Antitoxin Rv2654c/MT2731
Expression Region	1-81aa
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	9.7kDa
Protein Length	Full Length

Image



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



Description

The expression region of this recombinant Mycobacterium tuberculosis MT2731 covers amino acids 1-81. The theoretical molecular weight of the MT2731 protein is 9.7 kDa. This MT2731 recombinant protein is manufactured in yeast. The MT2731 gene fragment has been modified by fusing the N-terminal 6xHis tag, providing convenience in detecting and purifying the recombinant MT2731 protein during the following stages.

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.