



Recombinant Mycobacterium tuberculosis Low molecular weight antigen MTB12 (mtb12)

Product Code	CSB-YP363739MVZ
Relevance	May play a role in the development of protective immune responses.
Abbreviation	Recombinant Mycobacterium tuberculosis mtb12 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.	P9WIN6
Alias	CFP-2 Low molecular weight protein antigen 2
Product Type	Recombinant Protein
Immunogen Species	Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	DPASAPDVPTAAQLTSLNLSLADPNVSFANKGSLVEGGIGGTEARIADHKLKKA AEHGDLPLSFSVTNIQPAAAGSATADVSVSGPKLSSPVTQNVTFVNQGGWML SRASAMELLQAAGN
Research Area	Others
Source	Yeast
Target Names	mtb12
Protein Names	Recommended name: Low molecular weight antigen MTB12 Alternative name(s): CFP-2 Low molecular weight protein antigen 2
Expression Region	49-168aa
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	14.1kDa
Protein Length	Full Length of Mature Protein
Image	



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

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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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