

Recombinant Mycobacterium tuberculosis MT2946 protein, GST & His-tagged

Cat. No. MT2946-894M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N-terminal GST fusion protein with C-terminal 6xHis tagged MPT53 (M. Tuberculosis/CDC1551) antigen (a.a.1-177) (Genbank Accession No. NP_337457).
Species	Mycobacterium tuberculosis
Source	E.coli
ProteinLength	aa1-177
Description	Mycobacterium tuberculosis is an obligate pathogenic bacterial species in the family Mycobacteriaceae and the causative agent of tuberculosis. First discovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface primarily due to the presence of mycolic acid. This coating makes the cells impervious to Gram staining, and as a result, M. tuberculosis can appear either Gram-negative or Gram-positive. Acid-fast stains such as Ziehl-Neelsen, or fluorescent stains such as auramine are used instead to identify M. tuberculosis with a microscope. The physiology of M. tuberculosis is highly aerobic and requires high levels of oxygen. Primarily a pathogen of the mammalian respiratory system, it infects the lungs. The most frequently used diagnostic methods for tuberculosis are the tuberculin skin test, acid-fast stain, culture, and polymerase chain reaction.
Form	Each vial contains 100 g of lyophilized protein in PBS with 8M Urea. Reconstitute the protein with 100 µl of Millipore water.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%, based on SDS PAGE
---------------	-------------------------

Applications	WB standard, antibody ELISA, immunogen, etc.
---------------------	--

Storage	Before reconstitution, stable for 1 year at -20°C from the date of shipment. After reconstitution, stable for a month at 4°C. Nonhazardous. No MSDS required.
----------------	---

GENE INFORMATION

Gene Name	MT2946 soluble secreted antigen MPT53 [<i>Mycobacterium tuberculosis</i> CDC1551]
------------------	---

Official Symbol	MT2946
------------------------	--------

Synonyms	MT2946; MPT53; soluble secreted antigen MPT53
-----------------	---

Gene ID	925317
----------------	--------

Protein Refseq	NP_337457.1
-----------------------	-------------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA