

Recombinant Mycobacterium tuberculosis Rv2253 protein, His-tagged

Cat. No. Rv2253-897M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C-terminal 6xHis fusion protein of antigen Rv2253 (M. Tuberculosis/H37Rv)(a.a.1-171) (Genbank Accession No. NP_216769). Possible secreted protein; has potential N-terminal signal peptide. Predicted to be an outer membrane protein.
Species	Mycobacterium tuberculosis
Source	E.coli
ProteinLength	aa1-171
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

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protein with 100 µof Millipore water.

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 [Rv2253 hypothetical protein \[Mycobacterium tuberculosis H37Rv \]](#)

Official Symbol [Rv2253](#)

Synonyms Rv2253; hypothetical protein

Gene ID [888287](#)

Protein Refseq [NP_216769.1](#)

UniProt ID [O53527](#)

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