

Recombinant Mycobacterium tuberculosis esxA protein, GST & His-tagged

Cat. No. esxA-905M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N-terminal GST fusion protein with C-terminal 6xHis fusion protein of antigen ESAT-6(Rv3875) (M. Tuberculosis/H37Rv) (a.a.1-99) (Genbank Accession No. NP_217552). Early secretory antigenic target (see citations below), identical to Q57165 O84901 ESAT6 ea
Species	Mycobacterium tuberculosis
Source	E.coli
ProteinLength	aa1-99
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.

 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

Form	Each vial contains 100 g of lyophilized protein in PBS with 8M Urea. Reconstitute the 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	esxA ESAT-6 protein EsxA [Mycobacterium tuberculosis H37Rv]
Official Symbol	esxA
Synonyms	esxA; ESAT-6 protein EsxA
Gene ID	886209
Protein Refseq	YP_178023.1
UniProt ID	B5TV89

 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