

CFP10 recombinant protein

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CATALOG # AAA224540	HOST E.coli	APPLICATIONS ELISA
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PRODUCT SYNONYMS

CFP10; CFP10 protein; ESAT-6-like protein; esxB protein; Secreted antigenic protein MTSA10; 10 kDa culture filtrate antigen; CFP-10; CFP 10; CFP10 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 10mM PBS, pH 7.4, with 50% Glycerol.
Concentration	4.0mg/ml (varies by lot)
Applicable Applications for CFP10 recombinant protein	ELISA
Grade	Recombinant
Tag Info	His-tag
Species	Mycobacterium tuberculosis
Biohazard	Use standard laboratory precautions when handling this material.
Biological Significance	CFP10 is an antigen that contributes to the virulence Mycobacterium tuberculosis. CFP-10 forms a tight 1:1 heterodimeric complex with 6kDaA early secreted antigen target (ESAT-6). In the mycobacterial cell, these two proteins are interdependent on each other for stability. The ESAT-6/CFP-10 complex is secreted by the ESX-1 secretion system, also known as the RD1 region. The RD1 region is genomic and is present in all strains of Mycobacterium tuberculosis. Mycobacterium tuberculosis uses this ESX-1 secretion system to deliver virulence factors into host macrophage and monocyte white blood cells during infection.
Preparation and Storage	Shipping: Blue ice. Upon receipt aliquot and store at -20°C or below. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CFP10 recombinant protein	CFP10 is an antigen that contributes to the virulence Mycobacterium tuberculosis. CFP-10 forms a tight 1:1 heterodimeric complex with 6kDaA early secreted antigen target (ESAT-6). In the mycobacterial cell, these two proteins are interdependent on each other for stability. The ESAT-6/CFP-10 complex is secreted by the ESX-1 secretion system, also known as the RD1 region. The RD1 region is genomic and is present in all strains of Mycobacterium tuberculosis. Mycobacterium tuberculosis uses this ESX-1 secretion system to deliver virulence factors into host macrophage and monocyte white blood cells during infection.
Product Categories/Family for CFP10 recombinant protein	Infectious Disease ; Native Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	597960710
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cfp10-recombinant-protein-e-coli-elisa/224540>